L Number	Hits	Search Text	DB	Time stamp
1	4445	aspartame	USPAT; EPO; JPO; DERWENT	2001/12/05 06:35
2	3201	oxazolidinone	USPAT; EPO; JPO; DERWENT	2001/12/05 06:35
3	13	aspartame and oxazolidinone	USPAT; EPO; JPO; DERWENT	2001/12/05 06:49
4	48339	toluenesulfon$	USPAT; EPO; JPO; DERWENT	2001/12/05 08:09
6	40265	hexafl$	USPAT; EPO; JPO; DERWENT	2001/12/05 06:47
7	0	((aspartame and oxazolidinone) and toluenesulfon$) and hexafl$	USPAT; EPO; JPO; DERWENT	2001/12/05 06:39
5	2	(aspartame and oxazolidinone) and toluenesulfon$	USPAT; EPO; JPO; DERWENT	2001/12/05 06:39
8	1	(aspartame and oxazolidinone) and hexafl$	USPAT; EPO; JPO; DERWENT	2001/12/05 06:47
9	3	4730076.pn.	USPAT; EPO; JPO; DERWENT	2001/12/05 06:49
11	275	560/40.ccls.	USPAT; EPO; JPO; DERWENT	2001/12/05 08:10
12	626	560/41.ccls.	USPAT; EPO; JPO; DERWENT	2001/12/05 08:09
14	8	oxazolidinone and 560/41.ccls.	USPAT; EPO; JPO; DERWENT	2001/12/05 08:10
13	7	oxazolidinone and 560/40.ccls.	USPAT; EPO; JPO; DERWENT	2001/12/05 08:10
15	46759	acetal or ketal	USPAT; EPO; JPO; DERWENT	2001/12/05 08:11
16	348	oxazolidinone and (acetal or ketal)	USPAT; EPO; JPO; DERWENT	2001/12/05 08:11
17	47	hexafl$ and (oxazolidinone and (acetal or ketal))	USPAT; EPO; JPO; DERWENT	2001/12/05 08:11
18	43	neotame	USPAT; EPO; JPO; DERWENT	2001/12/05 08:15
19	0	oxazolidinone and neotame	USPAT; EPO; JPO; DERWENT	2001/12/05 08:15
20	1	hexafl$ and neotame	USPAT; EPO; JPO; DERWENT	2001/12/05 08:15

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
1	BRS	L1	4445	aspartame	USPAT; EPO; JPO; DERWENT	2001/12/05 06:35		
2	BRS	L2	3201	oxazolidinone	USPAT; EPO; JPO; DERWENT	2001/12/05 06:35		
3	BRS	L3	13	aspartame and oxazolidinone	USPAT; EPO; JPO; DERWENT	2001/12/05 06:49		
4	BRS	L4	48339	toluenesulfon$	USPAT; EPO; JPO; DERWENT	2001/12/05 08:09		
5	BRS	L6	40265	hexafl$	USPAT; EPO; JPO; DERWENT	2001/12/05 06:47		Truncation Overflow. Return string from Server is: 5`0`0`HEX
6	BRS	L7	0	l5 and l6	USPAT; EPO; JPO; DERWENT	2001/12/05 06:39		
7	BRS	L5	2	l3 and l4	USPAT; EPO; JPO; DERWENT	2001/12/05 06:39		
8	BRS	L8	1	l3 and l6	USPAT; EPO; JPO; DERWENT	2001/12/05 06:47		
9	BRS	L9	3	4730076.pn.	USPAT; EPO; JPO; DERWENT	2001/12/05 06:49		
10	BRS	L11	275	560/40.ccls.	USPAT; EPO; JPO; DERWENT	2001/12/05 08:10		

	Errors
1	0
2	0
3	0
4	0
5	1
6	0
7	0
8	0
9	0
10	0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
11	BRS	L12	626	560/41.ccls.	USPAT; EPO; JPO; DERWENT	2001/12/05 08:09		
12	BRS	L14	8	l2 and l12	USPAT; EPO; JPO; DERWENT	2001/12/05 08:10		
13	BRS	L13	7	l2 and l11	USPAT; EPO; JPO; DERWENT	2001/12/05 08:10		
14	BRS	L15	46759	acetal or ketal	USPAT; EPO; JPO; DERWENT	2001/12/05 08:11		
15	BRS	L16	348	l2 and l15	USPAT; EPO; JPO; DERWENT	2001/12/05 08:11		
16	BRS	L17	47	l6 and l16	USPAT; EPO; JPO; DERWENT	2001/12/05 08:11		
17	BRS	L18	43	neotame	USPAT; EPO; JPO; DERWENT	2001/12/05 08:15		
18	BRS	L19	0	l2 and l18	USPAT; EPO; JPO; DERWENT	2001/12/05 08:15		
19	BRS	L20	1	l6 and l18	USPAT; EPO; JPO; DERWENT	2001/12/05 08:15		

	Errors
11	0
12	0
13	0
14	0
15	0
16	0
17	0
18	0
19	0

C-C bond] are prepd. by reaction of 5-alkoxy-2(3H)-oxazolones II (R1-R3 = same as above) with R4OR5 (R4, R5 = same as above) in the presence of catalysts. .alpha.-**Amino acid** esters R1NHCR2R4CO2R3 or R1NHCR2R4CO2R5 (R1-R5 = same as above), useful for pharmaceuticals, agrochems., or their intermediates, are prepd. by hydrolysis of I in the presence of protonic acid. Reaction of 3-diphenylmethyl-5-methoxy-2(3H)-oxazolone with benzaldehyde di-Me **acetal** in CH2Cl2 the presence of trimethylsilyl triflate gave (4R,1'S),(4S,1'R)-3-diphenylmethyl-4-(1-methoxy-1-phenylmethyl)-5,5-dimethoxy-2-**oxazolidinone**, which was hydrolyzed in aq. HCl/MeOH to give N-diphenylmethyl-.beta.-methoxyphenylalanine Me ester.

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	19.96	20.11

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.59	-0.59

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NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2	Apr 08	"Ask CAS" for self-help around the clock
NEWS 3	Jun 03	New e-mail delivery for search results now available
NEWS 4	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 5	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS 6	Aug 26	Sequence searching in REGISTRY enhanced
NEWS 7	Sep 03	JAPIO has been reloaded and enhanced
NEWS 8	Sep 16	Experimental properties added to the REGISTRY file
NEWS 9	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS 10	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS 11	Oct 24	BEILSTEIN adds new search fields
NEWS 12	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS 13	Nov 18	DKILIT has been renamed APOLLIT
NEWS 14	Nov 25	More calculated properties added to REGISTRY
NEWS 15	Dec 04	CSA files on STN
NEWS 16	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS 17	Dec 17	TOXCENTER enhanced with additional content

```
 NEWS 18  Dec 17  Adis Clinical Trials Insight now available on STN
 NEWS 19  Jan 29  Simultaneous left and right truncation added to COMPENDEX,
                  ENERGY, INSPEC
 NEWS 20  Feb 13  CANCERLIT is no longer being updated
 NEWS 21  Feb 24  METADEX enhancements
 NEWS 22  Feb 24  PCTGEN now available on STN
 NEWS 23  Feb 24  TEMA now available on STN
 NEWS 24  Feb 26  NTIS now allows simultaneous left and right truncation
 NEWS 25  Feb 26  PCTFULL now contains images
 NEWS 26  Mar 04  SDI PACKAGE for monthly delivery of multifile SDI results
 NEWS 27  Mar 19  APOLLIT offering free connect time in April 2003
 NEWS 28  Mar 20  EVENTLINE will be removed from STN
 NEWS 29  Mar 24  PATDPAFULL now available on STN
 NEWS 30  Mar 24  Additional information for trade-named substances without
                  structures available in REGISTRY
 NEWS 31  Apr 11  Display formats in DGENE enhanced
 NEWS 32  Apr 14  MEDLINE Reload
 NEWS 33  Apr 17  Polymer searching in REGISTRY enhanced
 NEWS 34  Apr 21  Indexing from 1947 to 1956 being added to records in
CA/CAPLUS
 NEWS 35  Apr 21  New current-awareness alert (SDI) frequency in
                  WPIDS/WPINDEX/WPIX
 NEWS 36  Apr 28  RDISCLOSURE now available on STN

 NEWS EXPRESS  April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT
               MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
               AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
 NEWS HOURS    STN Operating Hours Plus Help Desk Availability
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 NEWS LOGIN    Welcome Banner and News Items
 NEWS PHONE    Direct Dial and Telecommunication Network Access to STN
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  * * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * * *



FILE 'HOME' ENTERED AT 07:47:05 ON 30 APR 2003

=> file reg
COST IN U.S. DOLLARS                                  SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       0.21       0.21

FILE 'REGISTRY' ENTERED AT 07:47:16 ON 30 APR 2003
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 28 APR 2003 HIGHEST RN 507219-44-5
DICTIONARY FILE UPDATES: 28 APR 2003 HIGHEST RN 507219-44-5

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.40	0.61

FILE 'CAPLUS' ENTERED AT 07:47:47 ON 30 APR 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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FILE COVERS 1907 - 30 Apr 2003 VOL 138 ISS 18
FILE LAST UPDATED: 29 Apr 2003 (20030429/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> oxazolidinone
5136 OXAZOLIDINONE
1679 OXAZOLIDINONES
L1 5542 OXAZOLIDINONE
(OXAZOLIDINONE OR OXAZOLIDINONES)

=> aldehyde
91997 ALDEHYDE
88061 ALDEHYDES
L2 143392 ALDEHYDE
(ALDEHYDE OR ALDEHYDES)

=> amino acid

```
        917541 AMINO
            42 AMINOS
        917558 AMINO
                 (AMINO OR AMINOS)
       3616891 ACID
       1374278 ACIDS
       4078151 ACID
                 (ACID OR ACIDS)
L3      580921 AMINO ACID
                 (AMINO(W)ACID)

=> l1 and l3
L4         427 L1 AND L3

=> l2 and l4
L5          50 L2 AND L4

=> d l5 30-50 ti

L5   ANSWER 30 OF 50  CAPLUS  COPYRIGHT 2003 ACS
TI   Prodrugs of peptides.  9.  Bioreversible N-.alpha.-hydroxyalkylation of
     the peptide bond to effect protection against carboxypeptidase or other
     proteolytic enzymes

L5   ANSWER 31 OF 50  CAPLUS  COPYRIGHT 2003 ACS
TI   5-(Aminomethyl)-3-aryl-2-oxazolidinones.  A novel class of
     mechanism-based inactivators of monoamine oxidase B

L5   ANSWER 32 OF 50  CAPLUS  COPYRIGHT 2003 ACS
TI   N-(9-phenylfluoren-9-yl)-.alpha.-amino ketones and N-(9-phenylfluoren-9-
     yl)-.alpha.-amino aldehydes as chiral educts for the synthesis
     of optically pure 4-alkyl-3-hydroxy-2-amino acids.
     Synthesis of the C-9 amino acid MeBmt present in
     cyclosporin

L5   ANSWER 33 OF 50  CAPLUS  COPYRIGHT 2003 ACS
TI   Behavior of amino acids and aliphatic
     aldehydes in dipolar aprotic solvents:  formation and
     oxazolidinones

L5   ANSWER 34 OF 50  CAPLUS  COPYRIGHT 2003 ACS
TI   Amino acids and peptides. 70. Optically active
     .alpha.-amino acids, N-Boc-aminoaldehydes and
     .alpha.-amino-.beta.-hydroxy acids from 2,3-epoxy alcohols

L5   ANSWER 35 OF 50  CAPLUS  COPYRIGHT 2003 ACS
TI   A multiple-stage process for removal of nitrogen oxides and sulfur oxides
     from flue gases while minimizing the formation of other pollutants

L5   ANSWER 36 OF 50  CAPLUS  COPYRIGHT 2003 ACS
TI   X:Y-ZH systems as potential 1,3-dipoles.  Part 12.  Mechanism of
formation
     of azomethine ylides via the decarboxylative route from .alpha.-
     amino acids

L5   ANSWER 37 OF 50  CAPLUS  COPYRIGHT 2003 ACS
TI   New entry to syn-.beta.-hydroxy-.alpha.-amino acids

L5   ANSWER 38 OF 50  CAPLUS  COPYRIGHT 2003 ACS
```

TI Prodrugs of peptides. III. 5-**Oxazolidinones** as bioreversible derivatives for the .alpha.-amidocarboxy moiety in peptides

L5 ANSWER 39 OF 50 CAPLUS COPYRIGHT 2003 ACS
TI Simple generation of nonstabilized azomethine ylides through decarboxylative condensation of .alpha.-**amino acids** with carbonyl compounds via 5-**oxazolidinone** intermediates

L5 ANSWER 40 OF 50 CAPLUS COPYRIGHT 2003 ACS
TI Addition of chiral glycine, methionine, and vinylglycine enolate derivatives to **aldehydes** and ketones in the preparation of enantiomerically pure .alpha.-amino-.beta.-hydroxy acids

L5 ANSWER 41 OF 50 CAPLUS COPYRIGHT 2003 ACS
TI Synthesis of the cyclic hexapeptide echinocandin D. New approaches to the asymmetric synthesis of .beta.-hydroxy .alpha.-**amino acids**

L5 ANSWER 42 OF 50 CAPLUS COPYRIGHT 2003 ACS
TI Renin inhibitors. Dipeptide analogs of angiotensinogen incorporating transition-state, nonpeptidic replacements at the scissile bond

L5 ANSWER 43 OF 50 CAPLUS COPYRIGHT 2003 ACS
TI A short synthesis of enantiomerically pure (2S,3R,4R,6E)-3-hydroxy-4-methyl-2-(methylamino)-6-octenoic acid, the unusual C9 **amino acid** found in the immunosuppressive peptide cyclosporine

L5 ANSWER 44 OF 50 CAPLUS COPYRIGHT 2003 ACS
TI Asymmetric glycine enolate aldol reactions: synthesis of cyclosporin's unusual **amino acid**, MeBmt

L5 ANSWER 45 OF 50 CAPLUS COPYRIGHT 2003 ACS
TI Chiral, N-protected, N-substituted .alpha.-**amino acids**

L5 ANSWER 46 OF 50 CAPLUS COPYRIGHT 2003 ACS
TI Optical activity of lactones and lactams - III. Circular dichroism spectra of 5-**oxazolidinones**

L5 ANSWER 47 OF 50 CAPLUS COPYRIGHT 2003 ACS
TI Synthesis of 9-fluorenylmethyloxycarbonyl-protected N-alkyl **amino acids** by reduction of **oxazolidinones**

L5 ANSWER 48 OF 50 CAPLUS COPYRIGHT 2003 ACS
TI Stereospecific synthesis of .alpha.-amino-.beta.-hydroxy acids

L5 ANSWER 49 OF 50 CAPLUS COPYRIGHT 2003 ACS
TI Peptide alkaloids. IX. Determination of the relative configuration of the .beta.-hydroxyleucine fragment of lasiodine B by stereospecific synthesis of threo- and erythro-.beta.-(p-tolyoxy)leucines

L5 ANSWER 50 OF 50 CAPLUS COPYRIGHT 2003 ACS
TI Azomethine chemistry. II. Formation of peptides from oxazolidin-5-ones

=> d l5 33,45 ti fbib abs

L5 ANSWER 33 OF 50 CAPLUS COPYRIGHT 2003 ACS
TI Behavior of **amino acids** and aliphatic

aldehydes in dipolar aprotic solvents: formation and **oxazolidinones**

AN 1990:139763 CAPLUS

DN 112:139763

TI Behavior of **amino acids** and aliphatic **aldehydes** in dipolar aprotic solvents: formation and **oxazolidinones**

AU Orsini, F.; Pelizzoni, F.; Forte, M.; Sisti, M.; Bombieri, G.; Benetollo, F.

CS Cent. Stud. Sost. Org. Nat., Univ. Milan, Milan, Italy

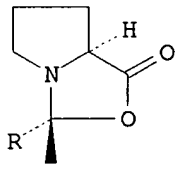
SO Journal of Heterocyclic Chemistry (1989), 26(3), 837-41
CODEN: JHTCAD; ISSN: 0022-152X

DT Journal

LA English

OS CASREACT 112:139763

GI



I

AB Reactions of aliph. branched **aldehydes** with proline in DMSO or acetonitrile soln. afford oxazolidin-5-ones with high diastereoselection. Thus, the cyclocondensation of proline with Me2CHCHO gave 1-aza-3-oxabicyclo[3.3.0]octan-4-one I (R = CHMe2). Linear **aldehydes** afford aldolic/crotonic condensation products; with short reaction times, the presence of **oxazolidinones** can be detected in the PMR spectra. Acyclic **amino acids** and branched **aldehydes** yield a reaction mixt. the PMR and IR spectra of which give evidence for iminic-**oxazolidinone** equil. The structure of (2R,5S)-2-trichloromethyl-1-aza-3-oxabicyclo[3.3.0]octan-4-one I (R = CCl3) has been confirmed by x-ray diffraction anal.

L5 ANSWER 45 OF 50 CAPLUS COPYRIGHT 2003 ACS

TI Chiral, N-protected, N-substituted .alpha.-**amino acids**

AN 1986:19819 CAPLUS

DN 104:19819

TI Chiral, N-protected, N-substituted .alpha.-**amino acids**

IN Freidinger, Roger M.

PA Merck and Co., Inc. , USA

SO U.S., 5 pp. Cont.-in-part of U.S. Ser. No. 330,634, abandoned.
CODEN: USXXAM

DT Patent

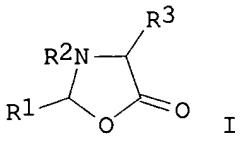
LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 4535167	A	19850813	US 1983-497301	19830523
			US 1981-330634	19811214

OS CASREACT 104:19819

GI



I

AB Title **amino acid** derivs. R1CH2NR2CHR3CO2H [R1 = alkyl, cycloalkyl, PhCH2, Ph, phenylalkyl, carboxyalkyl, carbalkoxyalkyl, aminoalkyl; R2 = 9-fluorenylmethoxycarbonyl, CF3CO, 4-MeC6H4SO2CH2CH2O2C, PhCH2O2C (Z), CO2CH2C6H4Cl-2, CO2CH2CH2SO2Me, CO2CMe2CH2CN; R3 = alkyl, hydroxy-, mercapto-, amino, or (alkylthio)alkyl Ph, PhCH2, phenylalkyl, 4-HOC6H4CH2, indolyl-, phthalimido-, imidazolyl-, benzyloxy-, guanidino-, or carboxyalkyl] were prepd. by the reductive cleavage of **oxazolidinones** I. Thus, ZNHCH2CO2H was cyclized with HCHO and 4-MeC6H4SO3H to give I (R1 = R3 = H, R2 = Z), which was cleaved by Et3SiH/CF3CO2H to give ZNMeCH2CO2H.

=> d l5 10-29 ti

L5 ANSWER 10 OF 50 CAPLUS COPYRIGHT 2003 ACS
TI N-Hydroxymethyl group for configurationally stable N-alkoxycarbonyl .alpha.-amino **aldehydes**

L5 ANSWER 11 OF 50 CAPLUS COPYRIGHT 2003 ACS
TI Preparation of peptidyl heterocycles useful in the treatment of thrombin related disorders

L5 ANSWER 12 OF 50 CAPLUS COPYRIGHT 2003 ACS
TI Preparation of peptidyl heterocycles useful in the treatment of thrombin related disorders

L5 ANSWER 13 OF 50 CAPLUS COPYRIGHT 2003 ACS
TI .alpha.-**Amino acids** and N-protected .alpha.-amino **aldehydes** by stereoselective additions of a chiral vinyllithium reagent to sulfonyl imines

L5 ANSWER 14 OF 50 CAPLUS COPYRIGHT 2003 ACS
TI 14C-labeling of a novel atypical .beta.-adrenoceptor agonist, SM-11044

L5 ANSWER 15 OF 50 CAPLUS COPYRIGHT 2003 ACS
TI Stereoselective synthesis of anti-.beta.-amino-.alpha.-hydroxy acid derivatives using nucleophilic epoxidation of 1-arylthio-1-nitroalkenes

L5 ANSWER 16 OF 50 CAPLUS COPYRIGHT 2003 ACS
TI Enantioselective synthesis of CF3-substituted allo-threonines and of two fluorine containing analogs of MeBmt.

L5 ANSWER 17 OF 50 CAPLUS COPYRIGHT 2003 ACS
TI Total Synthesis of Bleomycin A2 and Related Agents. 1. Synthesis and DNA Binding Properties of the Extended C-Terminus: Tripeptide S, Tetrapeptide S, Pentapeptide S, and Related Agents

L5 ANSWER 18 OF 50 CAPLUS COPYRIGHT 2003 ACS
TI A convenient diastereoselective synthesis of **oxazolidinone**: approach to unusual **amino acid** statine

L5 ANSWER 19 OF 50 CAPLUS COPYRIGHT 2003 ACS
TI Asymmetric synthesis of .alpha.-alkyl-.alpha. **amino acids** from chromium-carbene-complex-derived .beta.-lactams

L5 ANSWER 20 OF 50 CAPLUS COPYRIGHT 2003 ACS
TI Preparation of cyclic peptide analogs as renin inhibitors

L5 ANSWER 21 OF 50 CAPLUS COPYRIGHT 2003 ACS
TI A formal synthesis of a novel immunosuppressant ISP-1: stereocontrolled palladium(0)-catalyzed cis-hydroxyamination of carbohydrate derived vinyl epoxide

L5 ANSWER 22 OF 50 CAPLUS COPYRIGHT 2003 ACS
TI Asymmetric synthesis of chiral cyclic **amino acids** by Diels-Alder reactions of (2S)- and (2R)-4-methyleneoxazolidin-5-ones

L5 ANSWER 23 OF 50 CAPLUS COPYRIGHT 2003 ACS
TI An effective synthesis of scalemic 3,5,5-trisubstituted pyrrolin-4-ones

L5 ANSWER 24 OF 50 CAPLUS COPYRIGHT 2003 ACS
TI Synthesis of carbon-linked glycopeptides as stable glycopeptide models

L5 ANSWER 25 OF 50 CAPLUS COPYRIGHT 2003 ACS
TI Synthesis of hypusine and other polyamines using dibenzyltriazones for amino protection

L5 ANSWER 26 OF 50 CAPLUS COPYRIGHT 2003 ACS
TI Synthesis of L-.beta.-hydroxy **amino acids** using serine hydroxymethyltransferase

L5 ANSWER 27 OF 50 CAPLUS COPYRIGHT 2003 ACS
TI Benzyl (R)- and (S)-2-tert-butyl-5-oxooxazolidine-3-carboxylate for convenient preparation of D- and L-threonine analogs from **aldehydes**

L5 ANSWER 28 OF 50 CAPLUS COPYRIGHT 2003 ACS
TI A stereoselective synthesis of MeBmt employing a new chiral glycine enolate derivative

L5 ANSWER 29 OF 50 CAPLUS COPYRIGHT 2003 ACS
TI Design and synthesis of P2-P1'-linked macrocyclic human renin inhibitors

=> aspartic
L6 58834 ASPARTIC

=> l5 and l6
L7 0 L5 AND L6

=> neotame
L8 95 NEOTAME

=> d his

(FILE 'HOME' ENTERED AT 07:47:05 ON 30 APR 2003)

FILE 'REGISTRY' ENTERED AT 07:47:16 ON 30 APR 2003

FILE 'CAPLUS' ENTERED AT 07:47:47 ON 30 APR 2003

```
L1          5542 OXAZOLIDINONE
L2        143392 ALDEHYDE
L3        580921 AMINO ACID
L4           427 L1 AND L3
L5            50 L2 AND L4
L6         58834 ASPARTIC
L7             0 L5 AND L6
L8            95 NEOTAME

=> l8 and l1
L9             1 L8 AND L1

=> d l9 ti fbib abs

L9   ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2003 ACS
TI   Synthesis of N-[N-(3,3-dimethylbutyl)-L-.alpha.-aspartyl]-L-phenylalanine
     1-methyl ester using oxazolidinone derivatives
AN   2001:868483  CAPLUS
DN   135:372001
TI   Synthesis of N-[N-(3,3-dimethylbutyl)-L-.alpha.-aspartyl]-L-phenylalanine
     1-methyl ester using oxazolidinone derivatives
IN   Prakash, Indra
PA   The NutraSweet Company, USA
SO   PCT Int. Appl., 21 pp.
     CODEN: PIXXD2
DT   Patent
LA   English
FAN.CNT 1
     PATENT NO.        KIND  DATE          APPLICATION NO.   DATE
     ---------------   ----  --------      ---------------   --------
PI   WO 2001090138      A2   20011129      WO 2001-US16144   20010518
     WO 2001090138      A3   20020321
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM,
             HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS,
             LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO,
             RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN,
             YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
             DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
             BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
                                           US 2000-205694PP 20000519
     US 2002013490      A1   20020131      US 2001-859439    20010518
                                           US 2000-205694PP 20000519
     EP 1284991         A2   20030226      EP 2001-939127    20010518
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
                                           US 2000-205694PP 20000519
                                           WO 2001-US16144W 20010518
OS   CASREACT 135:372001; MARPAT 135:372001
AB   A process for synthesizing
N-[N-(3,3-dimethylbutyl)-L-.alpha.-aspartyl]-L-
     phenylalanine 1-Me ester (neotame) comprises the steps of: (a)
     reacting an admixt. of N-(3,3-dimethylbutyl)-L-aspartic acid and a
     carbonyl compd. or an activated carbonyl compd. in a first solvent to
     produce an oxazolidinone deriv. and (b) reacting an admixt. of
     the oxazolidinone deriv. and L-phenylalanine or L-phenylalanine
     Me ester in a second solvent to produce neotame. Thus,
     treatment of N-(3,3-dimethylbutyl)-L-aspartic acid with hexafluoroacetone
```

in anhyd. DMSO afforded 4-carbomethoxy-3-N-(3,3-dimethylbutyl)-2,2-bis(trifluoromethyl)oxazolidin-5-one, which reacted with L-phenylalanine Me ester in anhyd. di-Et ether to give **neotame**.

```
=> logoff hold
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         41.32      41.93

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)              SINCE FILE      TOTAL
                                                           ENTRY    SESSION
CA SUBSCRIBER PRICE                                         -1.95      -1.95

 SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 08:03:50 ON 30 APR 2003

Connecting via Winsock to STN



Welcome to STN International!  Enter x:x

LOGINID:ssspta1623paz

PASSWORD:
 * * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 08:25:56 ON 30 APR 2003
FILE 'CAPLUS' ENTERED AT 08:25:56 ON 30 APR 2003
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COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         41.32      41.93

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)              SINCE FILE      TOTAL
                                                           ENTRY    SESSION
CA SUBSCRIBER PRICE                                         -1.95      -1.95

=> d his

     (FILE 'HOME' ENTERED AT 07:47:05 ON 30 APR 2003)

     FILE 'REGISTRY' ENTERED AT 07:47:16 ON 30 APR 2003

     FILE 'CAPLUS' ENTERED AT 07:47:47 ON 30 APR 2003
L1          5542 OXAZOLIDINONE
L2        143392 ALDEHYDE
L3        580921 AMINO ACID
L4           427 L1 AND L3
L5            50 L2 AND L4
L6         58834 ASPARTIC
L7             0 L5 AND L6
L8            95 NEOTAME
L9             1 L8 AND L1

=> l1 and l6
L10           45 L1 AND L6
```

```
=> n-substituted
       2567884 N
        422469 SUBSTITUTED
             3 SUBSTITUTEDS
        422470 SUBSTITUTED
                 (SUBSTITUTED OR SUBSTITUTEDS)
L11      17521 N-SUBSTITUTED
                 (N(W)SUBSTITUTED)

=> l6(l)l11
L12         91 L6(L)L11

=> l12 and l1
L13          0 L12 AND L1

=> d l10 30-45 ti

L10  ANSWER 30 OF 45  CAPLUS  COPYRIGHT 2003 ACS
TI   Regiospecific reactions with .omega.-carboxy .alpha.-amino acids. A
simple
     synthesis of aspartame

L10  ANSWER 31 OF 45  CAPLUS  COPYRIGHT 2003 ACS
TI   Synthesis of .beta.- or .gamma.-fluorenylmethyl esters of respectively
     N.alpha.-Boc-L-aspartic acid and N.alpha.-Boc-L-glutamic acid

L10  ANSWER 32 OF 45  CAPLUS  COPYRIGHT 2003 ACS
TI   A convenient differential protection strategy for functional group
     manipulation of aspartic and glutamic acids

L10  ANSWER 33 OF 45  CAPLUS  COPYRIGHT 2003 ACS
TI   Novel non-basic bioisostere of histidine synthesized from L-
     aspartic acid

L10  ANSWER 34 OF 45  CAPLUS  COPYRIGHT 2003 ACS
TI   .alpha.-Alkylation of acyclic amino acids with self-reproduction of the
     center of chirality.  A new route to (S)-(+)-.alpha.-alkylated
     aspartic acids

L10  ANSWER 35 OF 45  CAPLUS  COPYRIGHT 2003 ACS
TI   A new route to 3-alkyl-substituted aspartic acid derivatives

L10  ANSWER 36 OF 45  CAPLUS  COPYRIGHT 2003 ACS
TI   Synthesis of N2-protected L-2,3-diaminopropanoic acids

L10  ANSWER 37 OF 45  CAPLUS  COPYRIGHT 2003 ACS
TI   Mass spectra of .alpha.-amino acid oxazolidinones

L10  ANSWER 38 OF 45  CAPLUS  COPYRIGHT 2003 ACS
TI   .alpha.-L-Asparagyl-L-amino acid alkyl esters

L10  ANSWER 39 OF 45  CAPLUS  COPYRIGHT 2003 ACS
TI   5-Oxooxazolidine-4-alkanoate

L10  ANSWER 40 OF 45  CAPLUS  COPYRIGHT 2003 ACS
TI   Peptides.  I.  Selective protection of .alpha.- or side-chain carboxyl
     groups of aspartic and glutamic acid.  A facile synthesis of
     .beta.-aspartyl and .gamma.-glutamyl peptides
```

L10 ANSWER 41 OF 45 CAPLUS COPYRIGHT 2003 ACS
TI Pharmaceutical compositions enhancing the learning rate and memory level

L10 ANSWER 42 OF 45 CAPLUS COPYRIGHT 2003 ACS
TI Oxazolidone derivatives of hydroxyamino acids. V. New synthesis of threo- and erythro-.beta.-hydroxy-DL-**aspartic** acids

L10 ANSWER 43 OF 45 CAPLUS COPYRIGHT 2003 ACS
TI Infrared spectra of some compounds of pharmaceutical interest

L10 ANSWER 44 OF 45 CAPLUS COPYRIGHT 2003 ACS
TI Peptide syntheses by the oxazolidone method. IV

L10 ANSWER 45 OF 45 CAPLUS COPYRIGHT 2003 ACS
TI Skin-initiating action and lung carcinogenesis by derivatives of urethan (ethyl carbamate) and related compounds

=> d l10 38, 39,44 ti fbib abs

L10 ANSWER 38 OF 45 CAPLUS COPYRIGHT 2003 ACS
TI .alpha.-L-Asparagyl-L-amino acid alkyl esters
AN 1974:521026 CAPLUS
DN 81:121026
TI .alpha.-L-Asparagyl-L-amino acid alkyl esters
IN Nagase, Tsuneyuki; Masuko, Fujio
PA Sumitomo Chemical Co., Ltd.
SO Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 49035352	A2	19740401	JP 1972-78560	19720804
			JP 1972-78560	19720804

GI For diagram(s), see printed CA Issue.
AB RNHCH(CH2CO2H)CONHCH[(CH2)nR2]CO2R1 I (R = H; R1 = alkyl; R2 = Ph, cyclohexyl or alkyl, OH substituted; n = 0-5) were prepd. by condensation of the **oxazolidinone** deriv. (II) with H2NCH-[(CH2)nR2]CO2R1 or its salts to give I (R = e.g., PhCH2OCO), followed by redn. Thus, crude II (R = PhCH2OCO), prepd. from N-carbobenzoxy-L-**aspartic** acid (III), was dissolved in DMF and the soln. was stirred with L-PhCH2CH(NH2)CO2Me and Et3N 6 hr at 43.degree. to give 63.1% I (R = PhCH2OCO, R1 = Me, R2 = Ph, n = 1), which on hydrogenation with Pd black gave 61.3% I (R = H, R1 = Me, R2 = Ph, n = 1). Similarly prepd. were I (R = H, n = 1) (R1, R2, % yield given): Me, cyclohexyl, 70.55; Et, Ph, 71.48; Me, p-HOC6H4, 69.87. (All yields were based on III). I are useful as sweetening materials.

L10 ANSWER 39 OF 45 CAPLUS COPYRIGHT 2003 ACS
TI 5-Oxooxazolidine-4-alkanoate
AN 1972:488478 CAPLUS
DN 77:88478
TI 5-Oxooxazolidine-4-alkanoate
IN Ito, Masumi

PA Fujisawa Pharmaceutical Co., Ltd.
SO Jpn. Tokkyo Koho, 4 pp.
CODEN: JAXXAD
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 47021422	B4	19720616	JP 1967-57413	19670907

GI For diagram(s), see printed CA Issue.
AB The title products (I) were prepd. E.g., 5.35 g N-benzyloxycarbonyl-L-**aspartic** acid was heated with paraformaldehyde, AcOH, Ac2O, and SOCl2 and the resulting sirupy 3-(benzyloxycarbonyl)-5-oxooxazolidine-4-acetic acid treated with isobutene to give 4.9 g I (n = 1). Similarly prepd. was I (n = 2).

L10 ANSWER 44 OF 45 CAPLUS COPYRIGHT 2003 ACS
TI Peptide syntheses by the oxazolidone method. IV
AN 1962:417157 CAPLUS
DN 57:17157
OREF 57:3558a-i,3559a-d
TI Peptide syntheses by the oxazolidone method. IV
AU Micheel, Fritz; Haneke, Horst
CS Univ. Muenster, Germany
SO Ber. (1962), 95, 1009-15
DT Journal
LA Unavailable
AB cf. CA 53, 21692e. A series of peptides was prepd. from L-glutamic acid, L-**aspartic** acid, L-serine, glycine, L-lysine, L-cystine, and DL-methionine by the oxazolidone method. The optical activity of the products is fully retained, except in the case of the cystine and serine moieties which can undergo to a slight extent racemization; the racemization can, however, be avoided by maintaining optimal reaction conditions. N-(p-Tosyl)-L-**aspartic** acid (I) (1.0 g.) in 50 cc. hot AcOH treated with 500 mg. trioxane and1/4; of a mixt. of 400 mg. Ac2O, 8-10 drops SOCl2 in 10 cc. AcOH, heated to soln., the mixt. heated about 3 hrs. until the rotation [.alpha.]23D 4.80.degree. is reached while being treated dropwise with the remainder of the Ac2O-SOCl2-AcOH mixt., and evapd. in vacuo at 600-70.degree. gave 800 mg. 3-(p-tosyl)-5-oxo-4-carboxymethyloxazolidine (II), m. 130-1.degree. (C6H6), [.alpha.]22D 252.degree. (c 1, Me2CO). II (200 mg.), 210 mg. PhCH2NH2, and 2-3 cc. EtOH heated about 15 min. at 60-70.degree., cooled, and acidified with 10% HCl gave 200 mg. .alpha.-benzylamide of I, m. 193.degree. (aq. EtOH), [.alpha.]22D -30.2.degree. (c 1, MeOH). II (2.0 g.) and 2.0 g. H2NCH2CO2Et in 4-5 cc. EtOH heated 10 min. at 60-70.degree., cooled, treated 1 hr. at room temp. with the calcd. amt. 2N aq. NaOH and an equal vol. MeOH, neutralized with 10% HCl, and evapd., and the residue acidified with 10% HCl to pH 2-3 gave 1.36 g. N-(p-tosyl)-L-Asp-.alpha.-Gly, m. 165.degree. (H2O), [.alpha.]22D -22.degree. (c 1, MeOH). N-(p-Tosyl)-L-serine (3.0 g.) in 30 cc. AcOH heated 2.75-3.25 hrs. with frequent shaking with 2 cc. Ac2O, trioxane, and 7-10 drops SOCl2 and evapd. in vacuo, and the residual sirup treated 1-2 hrs. with satd. aq. NaHCO3 and filtered yielded 2.5-2.6 g. cryst. 3-(p-tosyl)-5-oxo-4-acetoxymethyloxazolidine (III), m. 100-1.degree. (C6H6), [.alpha.]22D 177.degree. (c 0.3, AcOH); the aq. NaHCO3 layer acidified to pH 2-3 with

10% HCl gave 440-50 mg. 3-(p-tosyl)-4-carboxyoxazolidine, m. 150-2.degree.
(50% EtOH), [y.alpha.]22D -145 to -146.degree. (c 0.5, EtOH), -127.degree.
(c 0.3, dioxane). III (300 mg.) and 200 mg. PhCH2NH2 heated 10 min. on the steam bath, cooled, treated with about 5 cc. 10% HCl, and filtered gave 280 mg. N-(p-tosyl)-L-serine benzylamide, m. 136-7.degree. (50% EtOH), [.alpha.]22D 12.degree. (c 0.6, Me2CO). III (2.0 g.) in 6-8 cc. EtOH treated with 1.3 g. H2NCH2CO2Et, heated 10-15 min. at 70-80.degree., cooled, treated with 9.7 cc. 2N NaOH and 9.7 cc. MeOH, kept 1 hr. at room temp., neutralized with 10% HCl, concd. in vacuo and acidified to pH 2-3 with HCl gave 1.1 g. N-(ptosyl)-DL-Ser-Gly, m. 157-8.degree. (H2O). III (1.5 g.) and 2.7 g. di-Et L-glutamate in 5 cc. EtOH heated 15 min. at 70-80.degree., cooled, treated with 1.2 g. NaOH in 15 cc. H2O and 15 cc. MeOH, kept 1 hr. at room temp., neutralized, and worked up gave 1.5 g. (crude) N-(p-tosyl)-L-Ser-L-Glu, m. 197-8.degree. (H2O), [.alpha.]22D 8.degree. (c 0.58, EtOH), 23.degree. (c 0.48, dioxane).
N,N'-Di(p-tosyl)-L-cystine (1.0 g.), 300 mg. trioxane, and 50 cc. AcOH heated 3 hrs. on the steam bath with 150 mg. Ac2O and 4-5 drops SOCl2, and
evapd. in vacuo, the cryst. residue treated with aq. NaHCO3 and filtered, and the residue recrystd. from AcOH gave 600-650 mg. L-bis[3(p-tosyl-5-oxo-4-oxazolidinylmethyi] disulfide (IV), m. 176.degree., [.alpha.]22D 230.degree. (c 0.2, AcOH). IV (0.5 g.), 3 cc. EtOH, and 400 mg. PhCH2NH2 heated 15 min. at 70-80.degree. gave in the usual manner 400 mg. N,N'-di(p-tosyl)-L-cystine bis(benzylamide), m. 204.degree. (iso-PrOH), [.alpha.]22D 118.degree. (c 0.2, dioxane). IV (2.0 g.) and 2.0 g. H2NCH2CO2Et in 5 cc. EtOH heated at 60-70.degree. and kept overnight gave 1.55 g. di-Et N,N'-di(p-tosyl)-L-Cys-di-Gly (V), m. 183-4.degree. (EtOH) [.alpha.]22D 18-19.degree. (c 0.7, dioxane). V (1.0 g.), 1 cc. 2N NaOH, and 2 cc. MeOH kept 1 hr. at room temp., neutralized, and worked up yielded 730 mg. N,N'-di(ptosyl)-L-Cys-di-Gly, m. 136.degree. (aq. iso-PrOH), [.alpha.]22D 144.degree. (c 0.43, EtOH). N-(p-Tosyl)-DL-methionine (2.0 g.) in 30 cc. AcOH heated 3-4 hrs. on the steam bath with 200 cc. Ac2O, 300 mg. trioxane, and 7 drops SOCl2 and evapd., and the sirupy residue treated with satd. aq. NaHCO3 gave 1.34 g. 3-(p-tosyl)-5-oxo-4-(2-methylthioethyl)-oxazolidine (VI), m. 96-7.degree. (iso-PrOH). VI (2.0 g.) and 2.0 g. H2NCH2CO2Et heated at 70-80.degree., sapond. with 10 cc. 2N NaOH and 10 cc. EtOH, kept 1 hr. at room temp., neutralized, and worked up in the usual manner yielded 1.3 g. N-(p-tosyl)-DL-Met-Gly, m. 66-7.degree. (40% EtOH). Bu ester (VII) (1.4 g.) of N.alpha.,N.epsilon.-di(p-tosyl)-DL-lysine (VIII) in the calcd. vol.
2N NaOH and an equal vol. MeOH kept 1 hr. at room temp. and worked up gave
VIII, m. 125-30.degree. (unsharp) (50% EtOH). Dry VIII (5.0 g.) in 100 cc. AcOH heated 3 hrs. on the steam bath with 200 mg. trioxane, 300 mg. Ac2O, and 10 drops SOCl2 gave 5.3 g. 3-(p-tosyl)-5-oxo-4-[4-(p-tosylamino)butyl]oxazolidine (IX). IX (1.0 g.) and 0.5 g. PhCH2NH2 in 10 cc. EtOH heated briefly on the steam bath and worked up in the usual manner yielded 340-5 mg. N.alpha.,N.epsilon.-di(p-tosyl)-L-lysine benzylamide (X), m. 143-4.degree. (C6H6), [.alpha.]22D -10.4.degree. (c 1,
MeOH). X (4.0 g.) and 3.6 g. H2NCH2CO2Et heated 10 min. on the steam bath, sapond, with N NaOH-MeOH, and worked up in the usual manner gave 700-900 mg. N.alpha.,N.epsilon.-di(p-tosyl)-L-Lys-Gly, m. 100-2.degree. with sintering, [.alpha.]22D -4.degree. (c 1, MeOH). N-(p-Tosyl)-5-oxazolidone (500 mg.), m. 121-2.degree., refluxed 5 hrs. in 10 cc. abs.

EtOH and evapd. in vacuo, and the sirupy residue dissolved in satd. aq. NaHCO3, acidified to pH 3-4, and filtered gave 500 mg. N-(p-tosyl)-N-ethoxymethylglycine (XI), m. 92-3.degree. (C6H6-ligroine). XI (193.8 mg.) heated 4 hrs. in vacuo on the steam bath and cooled gave N-(ptosyl)-5-oxazolidone (XII), m. 120-1.degree. (C6H6-ligroine). 4-Me deriv. (XIII) (500 mg.) of XII in 10 cc. EtOH refluxed 10 hrs. and evapd. in vacuo at room temp., the residue dissolved in satd. aq. NaHCO3 and filtered, and the filtrate acidified with 10% HCl to pH 4 yielded 4.42 g. N-(p-tosyl)N-ethoxymethyl-DL-alanine, m. 58-9.degree. (aq. EtOH), which cyclized in the usual manner gave XIII, m. 105-6.degree. (iso-PrOH).

XIII

with PhCH2NH2 yielded in the usual manner 80% N-(p-tosyl)-DL-alanine benzylamide.

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	60.22	60.83

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-3.91	-3.91

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 08:30:27 ON 30 APR 2003

Connecting via Winsock to STN

Welcome to STN International! Enter x:
x
Welcome to STN International! Enter x:
LOGINID:ssspta1623paz

PASSWORD:
* * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 08:34:18 ON 30 APR 2003
FILE 'CAPLUS' ENTERED AT 08:34:18 ON 30 APR 2003
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	60.22	60.83

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-3.91	-3.91

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	60.22	60.83

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION

CA SUBSCRIBER PRICE -3.91 -3.91

FILE 'REGISTRY' ENTERED AT 08:34:30 ON 30 APR 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 28 APR 2003 HIGHEST RN 507219-44-5
DICTIONARY FILE UPDATES: 28 APR 2003 HIGHEST RN 507219-44-5

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

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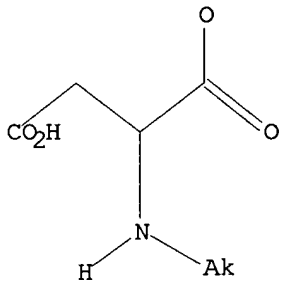
Uploading 09859439 nalkyl apartic acid.str

L14 STRUCTURE UPLOADED

=> d l14
L14 HAS NO ANSWERS
L14 STR



Structure attributes must be viewed using STN Express query preparation.

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ENTER TYPE OF SEARCH (SSS), CSS, FAMILY, OR EXACT:sss
ENTER SCOPE OF SEARCH (SAMPLE), FULL, RANGE, OR SUBSET:sam
SAMPLE SEARCH INITIATED 08:34:54 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 12089 TO ITERATE

8.3% PROCESSED 1000 ITERATIONS 50 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 235200 TO 248360
PROJECTED ANSWERS: 16097 TO 19685

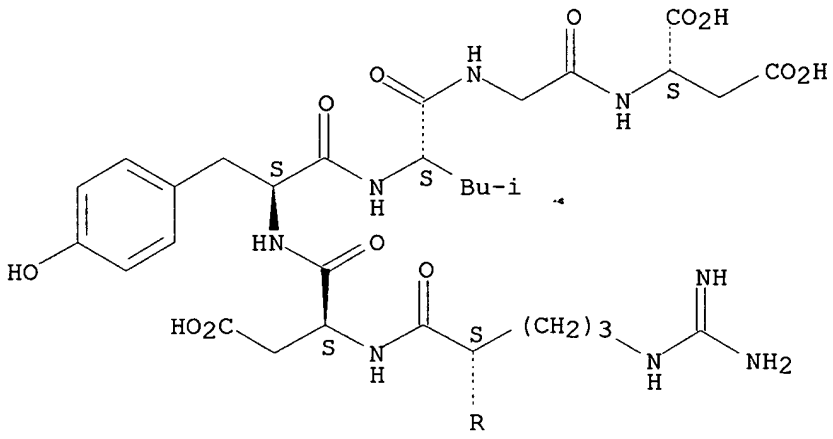
L15 50 SEA SSS SAM L14

=> d scan

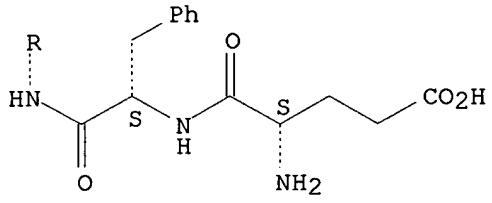
L15 50 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN L-Aspartic acid, L-.alpha.-glutamyl-L-phenylalanyl-L-arginyl-L-.alpha.-aspartyl-L-tyrosyl-L-leucylglycyl- (9CI)
SQL 8
MF C45 H63 N11 O16

Absolute stereochemistry.

PAGE 1-A



PAGE 2-A



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> search l14 sss full
FULL SEARCH INITIATED 08:36:03 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 238841 TO ITERATE

91.2% PROCESSED 217769 ITERATIONS 16517 ANSWERS

100.0% PROCESSED 238841 ITERATIONS 17542 ANSWERS

SEARCH TIME: 00.00.24

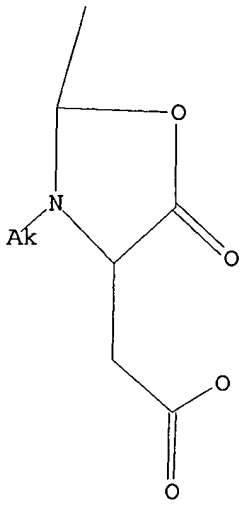
L16 17542 SEA SSS FUL L14

=>
Uploading 09859439 oxazolidinone generic 2.str

L17 STRUCTURE UPLOADED

=> d l17 sss sam
L17 HAS NO ANSWERS
'SSS SAM ' IS NOT A VALID STRUCTURE FORMAT KEYWORD
Structure Formats
SIA ----- Structure Image, Attributes, and map table if it contains data. (Default)
SIM ----- Structure IMage.
SAT ----- Structure ATtributes and map table if it contains data.
SCT ----- Structure Connection Table and map table if it contains data.
SDA ----- All Structure DAta (image, attributes, connection table and map table if it contains data).
NOS ----- NO Structure data.
ENTER STRUCTURE FORMAT (SIM), NOS:end

=> d l17
L17 HAS NO ANSWERS
L17 STR



Structure attributes must be viewed using STN Express query preparation.

=> search l17 sss sam
SAMPLE SEARCH INITIATED 08:39:05 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 33 TO ITERATE

100.0% PROCESSED 33 ITERATIONS 2 ANSWERS
SEARCH TIME: 00.00.01

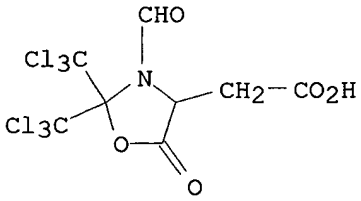
FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**
PROJECTED ITERATIONS: 316 TO 1004
PROJECTED ANSWERS: 2 TO 124

L18 2 SEA SSS SAM L17

=> d scan

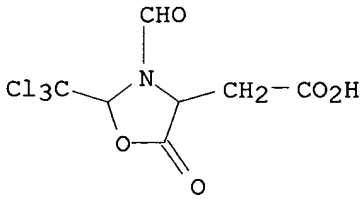
L18 2 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 4-Oxazolidineacetic acid, 3-formyl-5-oxo-2,2-bis(trichloromethyl)- (9CI)
MF C8 H5 Cl6 N O5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):2

L18 2 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 4-Oxazolidineacetic acid, 3-formyl-5-oxo-2-(trichloromethyl)- (9CI)
MF C7 H6 Cl3 N O5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	151.35	212.18

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-3.91

FILE 'CAPLUS' ENTERED AT 08:39:50 ON 30 APR 2003

FILE COVERS 1907 - 30 Apr 2003 VOL 138 ISS 18
FILE LAST UPDATED: 29 Apr 2003 (20030429/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> l18
L19 2 L18

=> d l19 ti fbib abs

L19 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS
TI Preparation of N-protected aspartame derivatives
AN 2000:43902 CAPLUS
DN 132:64528
TI Preparation of N-protected aspartame derivatives
IN Yang, Guishu; Li, Yan; Chen, Zhiyong; Yu, Zhizhou; Bi, Aiqiao; Jiang, Yaozhong
PA Chengdu Inst. of Organic Chemistry, Chinese Academy of Sciences, Peop. Rep. China
SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 15 pp.
CODEN: CNXXEV
DT Patent
LA Chinese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CN 1174844	A	19980304	CN 1996-117685	19960828
	CN 1057773	B	20001025		
				CN 1996-117685	19960828

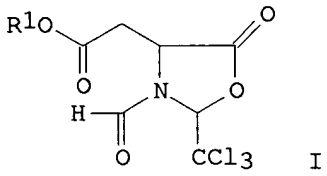
AB The process comprises cyclizing L-aspartic acid with acylating agent and active carbonyl compd. in the presence of acetic acid and acetic anhydride at 30-100.degree. for 6-30 h, and pptg. with halohydrocarbon to obtain 2-substituted-3-acyl-5-oxo-4-oxazolidineacetic acid, and allowing to react with L-phenylalanine Me ester or its salt in solvent in the presence of base at 20-100.degree. for 4-30 h. The acylating agent is selected from formic acid, and acetic anhydride; the carbonyl compd. from Cl3CCHO, Br3CCHO, CCl3COCCl3, and CF3COCF3; the solvent from acetate (ester), Et2O, THF, and dioxane; and the base from carboxylate of alkali metal or alk. earth metal, and tertiary amine.

=> d l19 2 ti fbib abs

L19 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS
TI Preparation of aspartylphenylalanine alkyl esters from 5-oxo-4-oxazolideneacetates and phenylalanine esters
AN 1992:651789 CAPLUS
DN 117:251789
TI Preparation of aspartylphenylalanine alkyl esters from 5-oxo-4-oxazolideneacetates and phenylalanine esters
IN Ascher, Gerd; Ludescher, Hans
PA Biochemie Gesellschaft m.b.H., Austria
SO Austrian, 4 pp.
CODEN: AUXXAK
DT Patent
LA German
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI AT 394854	B	19920710	AT 1986-1597	19860612
AT 8601597	A	19911215		
			AT 1986-1597	19860612

OS MARPAT 117:251789
GI



I

AB Aspartylphenylalanine lower alkyl esters were prepd. by reaction of oxazolidone I (R1 = H, Me3Si) with a phenylalanine lower alkyl ester followed by deprotection. Thus, I (R1 = H) (prepn. given) and H-Phe-OMe.HCl were stirred 8 h with EtN(CHMe2)2 in CH2Cl2 to give N-formylaspartame, which was stirred with HCl in MeOH to give aspartame.

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	11.09	223.27

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.30	-5.21

FILE 'REGISTRY' ENTERED AT 08:48:41 ON 30 APR 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 29 APR 2003 HIGHEST RN 507441-92-1
DICTIONARY FILE UPDATES: 29 APR 2003 HIGHEST RN 507441-92-1

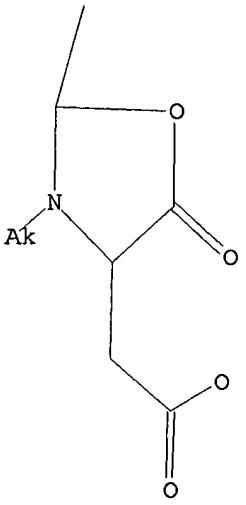
TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=> d l17
L17 HAS NO ANSWERS
L17 STR



Structure attributes must be viewed using STN Express query preparation.

=> search l17 sss full
FULL SEARCH INITIATED 08:49:02 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 578 TO ITERATE

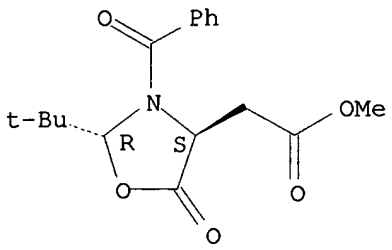
100.0% PROCESSED 578 ITERATIONS 9 ANSWERS
SEARCH TIME: 00.00.02

L20 9 SEA SSS FUL L17

=> d scan

L20 9 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 4-Oxazolidineacetic acid, 3-benzoyl-2-(1,1-dimethylethyl)-5-oxo-, methyl ester, (2R-trans)- (9CI)
MF C17 H21 N O5

Absolute stereochemistry. Rotation (+).

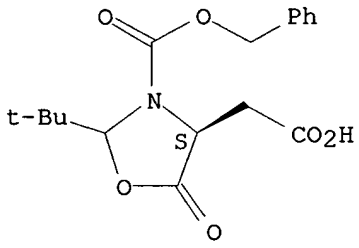


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):9

L20 9 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 4-Oxazolidineacetic acid, 2-(1,1-dimethylethyl)-5-oxo-3-[(phenylmethoxy)carbonyl]-, (4S)- (9CI)
MF C17 H21 N O6

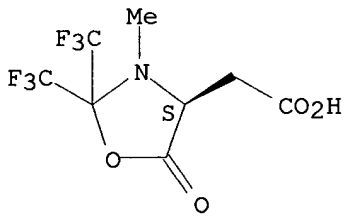
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

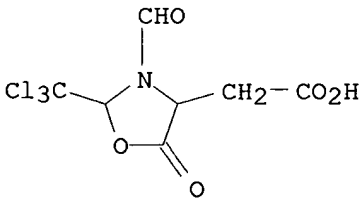
L20 9 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 4-Oxazolidineacetic acid, 3-methyl-5-oxo-2,2-bis(trifluoromethyl)-, (4S)- (9CI)
MF C8 H7 F6 N O4

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

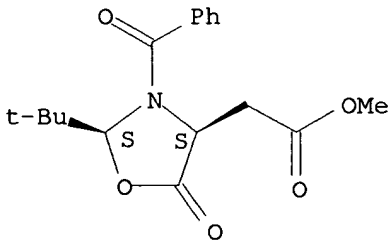
L20 9 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 4-Oxazolidineacetic acid, 3-formyl-5-oxo-2-(trichloromethyl)- (9CI)
MF C7 H6 Cl3 N O5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L20 9 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 4-Oxazolidineacetic acid, 3-benzoyl-2-(1,1-dimethylethyl)-5-oxo-, methyl ester, (2S-cis)- (9CI)
MF C17 H21 N O5

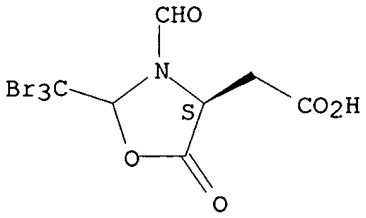
Absolute stereochemistry. Rotation (-).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

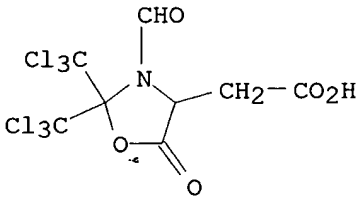
L20 9 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 4-Oxazolidineacetic acid, 3-formyl-5-oxo-2-(tribromomethyl)-, (4S)- (9CI)
MF C7 H6 Br3 N O5

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

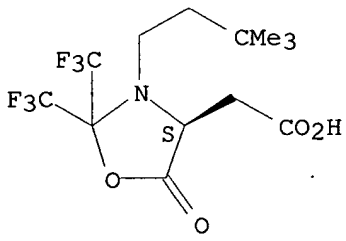
L20 9 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 4-Oxazolidineacetic acid, 3-formyl-5-oxo-2,2-bis(trichloromethyl)- (9CI)
MF C8 H5 Cl6 N O5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L20 9 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 4-Oxazolidineacetic acid, 3-(3,3-dimethylbutyl)-5-oxo-2,2-bis(trifluoromethyl)-, (4S)- (9CI)
MF C13 H17 F6 N O4

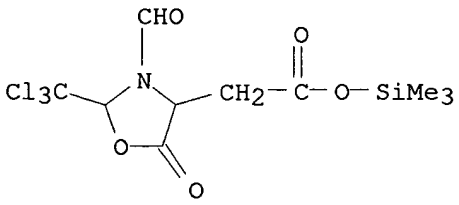
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L20 9 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 4-Oxazolidineacetic acid, 3-formyl-5-oxo-2-(trichloromethyl)-, trimethylsilyl ester (9CI)

MF C10 H14 Cl3 N O5 Si



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> e 4-Oxazolidineacetic acid, 3-methyl-5-oxo-2,2-bis(trifluoromethyl)-, (4S)-/cn
E1 1 4-OXAZOLIDINEACETIC ACID, 3-FORMYL-5-OXO-2-(TRICHLOROMETHYL)
-/CN
E2 1 4-OXAZOLIDINEACETIC ACID, 3-FORMYL-5-OXO-2-(TRICHLOROMETHYL)
-, TRIMETHYLSILYL ESTER/CN
E3 1 --> 4-OXAZOLIDINEACETIC ACID, 3-METHYL-5-OXO-2,2-BIS(TRIFLUOROME
THYL)-, (4S)-/CN
E4 1 4-OXAZOLIDINEACETIC ACID, 4-((1,1-DIMETHYLETHOXY)CARBONYL)-3
-((1R)-2-METHOXY-1-PHENYLETHYL)-, METHYL ESTER, (4R)-/CN
E5 1 4-OXAZOLIDINEACETIC ACID, 4-METHYL-3-((4-METHYLPHENYL)SULFON
YL)-2-OXO-, METHYL ESTER/CN
E6 1 4-OXAZOLIDINEACETIC ACID, 4-METHYL-5-OXO-2-PHENYL-3-((PHENYL
METHOXY)CARBONYL)-, 1,1-DIMETHYLETHYL ESTER, (2R-TRANS)-/CN
E7 1 4-OXAZOLIDINEACETIC ACID, 4-METHYL-5-OXO-2-PHENYL-3-((PHENYL
METHOXY)CARBONYL)-, 1,1-DIMETHYLETHYL ESTER, (2S-TRANS)-/CN
E8 1 4-OXAZOLIDINEACETIC ACID, 4-METHYL-5-OXO-3-((PHENYLMETHOXY)C
ARBONYL)-/CN
E9 1 4-OXAZOLIDINEACETIC ACID, 5,5-DIMETHYL-3-((4-METHYLPHENYL)SU
LFONYL)-2-OXO-, METHYL ESTER/CN
E10 1 4-OXAZOLIDINEACETIC ACID, 5-((((1,1-DIMETHYLETHYL)DIMETHYLSI
LYL)OXY)METHYL)-2,2-DIMETHYL-3-((PHENYLMETHOXY)CARBONYL)-, 1
,1-DIMETHYLETHYL ESTER/CN
E11 1 4-OXAZOLIDINEACETIC ACID, 5-(((DIPHENYLPHOSPHINYL)OXY)METHYL
)-2,2-DIMETHYL-3-((PHENYLMETHOXY)CARBONYL)-, 1,1-DIMETHYLETH
YL ESTER/CN
E12 1 4-OXAZOLIDINEACETIC ACID, 5-((1R)-1-IODOETHYL)-2-OXO-3-((1R)

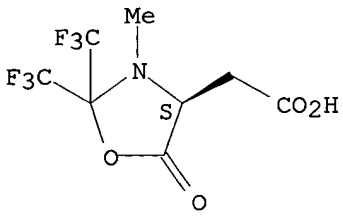
-1-PHENYLETHYL)-, (4S,5S)-/CN

=> e3
L21 1 "4-OXAZOLIDINEACETIC ACID,
3-METHYL-5-OXO-2,2-BIS(TRIFLUOROMETHY
L)-, (4S)-"/CN

=> d l21

L21 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS
RN 261943-09-3 REGISTRY
CN **4-Oxazolidineacetic acid, 3-methyl-5-oxo-2,2-bis(trifluoromethyl)-, (4S)- (9CI)** (CA INDEX NAME)
FS STEREOSEARCH
MF C8 H7 F6 N O4
SR CA
LC STN Files: CA, CAPLUS, CASREACT

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1957 TO DATE)
2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	155.65	378.92

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-5.21

FILE 'CAPLUS' ENTERED AT 08:51:30 ON 30 APR 2003

of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 30 Apr 2003 VOL 138 ISS 18
FILE LAST UPDATED: 29 Apr 2003 (20030429/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

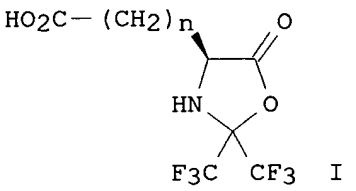
=> l21
L22 2 L21

=> d l22 1-2 ti fbib abs

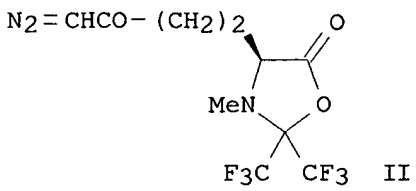
L22 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS
TI New stereoconservative syntheses of .beta.,.beta.,.beta.- and .gamma.,.gamma.,.gamma.-trifluoro-.alpha.-amino, .alpha.-hydroxy, and .alpha.-mercapto acids and their incorporation into a peptide and depsipeptide fragment
AN 2000:787519 CAPLUS
DN 134:86525
TI New stereoconservative syntheses of .beta.,.beta.,.beta.- and .gamma.,.gamma.,.gamma.-trifluoro-.alpha.-amino, .alpha.-hydroxy, and .alpha.-mercapto acids and their incorporation into a peptide and depsipeptide fragment
AU Schedel, Hartmut; Dmowski, Wojciech; Burger, Klaus
CS Institut fur Organische Chemie, Universitat Leipzig, Leipzig, 04103, Germany
SO Synthesis (2000), (12), 1681-1688
CODEN: SYNTBF; ISSN: 0039-7881
PB Georg Thieme Verlag
DT Journal
LA English
OS CASREACT 134:86525
AB Syntheses of .beta.,.beta.,.beta.- and .gamma.,.gamma.,.gamma.-trifluoro-.alpha.-amino, -.alpha.-hydroxy and -.alpha.-mercapto acids using hexafluoroacetone as the protecting and activating reagent are described. The key step of the syntheses is the transformation of an .omega.-carboxy group into a trifluoromethyl group on treatment with sulfur tetrafluoride.
The carboxy activated species obtained are suitable for direct incorporation into peptide and depsipeptide fragments. RP-HPLC expts. and
Mosher's TMPA method (1H and 19F) demonstrate that the reaction sequence occurs without racemization.
RE.CNT 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L22 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS
TI A new approach to N-methylaspartic, N-methylglutamic, and N-methyl-.alpha.-aminoadipic acid derivatives
AN 2000:55458 CAPLUS
DN 132:237363
TI A new approach to N-methylaspartic, N-methylglutamic, and N-methyl-.alpha.-aminoadipic acid derivatives
AU Burger, Klaus; Spengler, Jan
CS Department of Organic Chemistry, University of Leipzig, Leipzig, D-04103, Germany

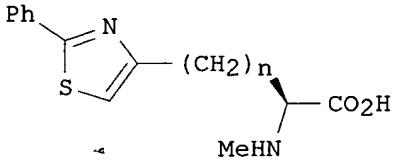
SO European Journal of Organic Chemistry (2000), (1), 199-204
CODEN: EJOCFK; ISSN: 1434-193X
PB Wiley-VCH Verlag GmbH
DT Journal
LA English
GI



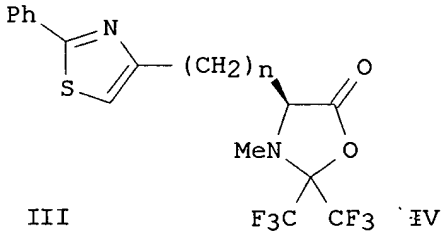
I



II



III



IV

AB N-Methylaspartic and N-methylglutamic acids are obtained by a stereoconservative one-pot procedure from hexafluoroacetone-protected aspartic and glutamic acids I (n = 1, 2). L-.alpha.-(Methylamino)adipic acid and its dipeptide deriv., L-.alpha.-(N-methylamino)adipoyl-L-phenylalanine Me ester, are accessible from a glutamate-derived diazoketone II through a Wolff rearrangement. Other .alpha.-amino acids III (n = 1, 2) are obtained by the same methods via hexafluoroacetone-protected amino acid derivs. IV (n = 1, 2).

RE.CNT 37 THERE ARE 37 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	10.67	389.59

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.30	-6.51

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 08:59:53 ON 30 APR 2003

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

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LOGINID:ssspta1623paz

PASSWORD:
 * * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 09:49:49 ON 30 APR 2003
FILE 'CAPLUS' ENTERED AT 09:49:49 ON 30 APR 2003
COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                    10.67     389.59

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                    -1.30      -6.51

=> d his

     (FILE 'HOME' ENTERED AT 07:47:05 ON 30 APR 2003)

     FILE 'REGISTRY' ENTERED AT 07:47:16 ON 30 APR 2003

     FILE 'CAPLUS' ENTERED AT 07:47:47 ON 30 APR 2003
L1          5542 OXAZOLIDINONE
L2        143392 ALDEHYDE
L3        580921 AMINO ACID
L4           427 L1 AND L3
L5            50 L2 AND L4
L6         58834 ASPARTIC
L7             0 L5 AND L6
L8            95 NEOTAME
L9             1 L8 AND L1
L10           45 L1 AND L6
L11        17521 N-SUBSTITUTED
L12           91 L6(L)L11
L13            0 L12 AND L1

     FILE 'REGISTRY' ENTERED AT 08:34:30 ON 30 APR 2003
L14               STRUCTURE UPLOADED
L15           50 SEARCH L14 SSS SAM
L16        17542 SEARCH L14 SSS FULL
L17               STRUCTURE UPLOADED
L18            2 SEARCH L17 SSS SAM

     FILE 'CAPLUS' ENTERED AT 08:39:50 ON 30 APR 2003
L19            2 L18

     FILE 'REGISTRY' ENTERED AT 08:48:41 ON 30 APR 2003
L20            9 SEARCH L17 SSS FULL
                 E 4-OXAZOLIDINEACETIC ACID,
3-METHYL-5-OXO-2,2-BIS(TRIFLUOROMET
L21            1 E3

     FILE 'CAPLUS' ENTERED AT 08:51:30 ON 30 APR 2003
L22            2 L21

=> file reg
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
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	ENTRY	SESSION
FULL ESTIMATED COST	12.34	391.26

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.30	-6.51

FILE 'REGISTRY' ENTERED AT 09:52:04 ON 30 APR 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 29 APR 2003 HIGHEST RN 507441-92-1
DICTIONARY FILE UPDATES: 29 APR 2003 HIGHEST RN 507441-92-1

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP
PROPERTIES for more information. See STNote 27, Searching Properties
in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

```
=> e neotame/cn
E1            1     NEOTALL F/CN
E2            1     NEOTALL G/CN
E3            1 --> NEOTAME/CN
E4            1     NEOTAME METHYL ESTER/CN
E5            1     NEOTAN UE 1402/CN
E6            1     NEOTAN UE 3100/CN
E7            1     NEOTARCHOCIN/CN
E8            1     NEOTEBANYL/CN
E9            1     NEOTEBEN/CN
E10           1     NEOTELOMYCIN/CN
E11           1     NEOTEMP/CN
E12           1     NEOTENINE/CN

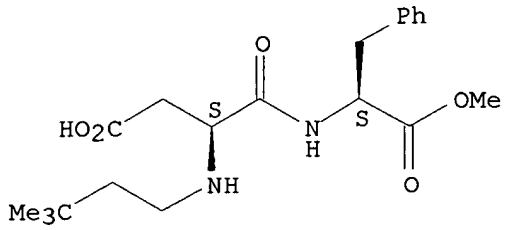
=> e3
L23           1 NEOTAME/CN

=> d l23

L23  ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2003 ACS
RN   165450-17-9  REGISTRY
CN   L-Phenylalanine, N-(3,3-dimethylbutyl)-L-.alpha.-aspartyl-, 2-methyl
ester
     (9CI)  (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN   L-Phenylalanine, N-[N-(3,3-dimethylbutyl)-L-.alpha.-aspartyl]-, 1-methyl
     ester
OTHER NAMES:
CN   Neotame
```

FS STEREOSEARCH
MF C20 H30 N2 O5
CI COM
SR CA
LC STN Files: AGRICOLA, ANABSTR, BIOSIS, BIOTECHNO, CA, CAPLUS, CASREACT, CBNB, CIN, EMBASE, MRCK*, PROMT, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

105 REFERENCES IN FILE CA (1957 TO DATE)
11 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
105 REFERENCES IN FILE CAPLUS (1957 TO DATE)

=> file caplud
'CAPLUD' IS NOT A VALID FILE NAME
SESSION CONTINUES IN FILE 'REGISTRY'
Enter "HELP FILE NAMES" at an arrow prompt (=>) for a list of files that are available. If you have requested multiple files, you can specify a corrected file name or you can enter "IGNORE" to continue accessing the remaining file names entered.

=> l23
L24 1 NEOTAME/CN

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	10.52	401.78

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-6.51

FILE 'CAPLUS' ENTERED AT 09:52:55 ON 30 APR 2003

FILE COVERS 1907 - 30 Apr 2003 VOL 138 ISS 18
FILE LAST UPDATED: 29 Apr 2003 (20030429/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> l23
L25 105 L23

=> d his

(FILE 'HOME' ENTERED AT 07:47:05 ON 30 APR 2003)

FILE 'REGISTRY' ENTERED AT 07:47:16 ON 30 APR 2003

FILE 'CAPLUS' ENTERED AT 07:47:47 ON 30 APR 2003
L1 5542 OXAZOLIDINONE
L2 143392 ALDEHYDE
L3 580921 AMINO ACID
L4 427 L1 AND L3
L5 50 L2 AND L4
L6 58834 ASPARTIC
L7 0 L5 AND L6
L8 95 NEOTAME
L9 1 L8 AND L1
L10 45 L1 AND L6
L11 17521 N-SUBSTITUTED
L12 91 L6(L)L11
L13 0 L12 AND L1

FILE 'REGISTRY' ENTERED AT 08:34:30 ON 30 APR 2003
L14 STRUCTURE UPLOADED
L15 50 SEARCH L14 SSS SAM
L16 17542 SEARCH L14 SSS FULL
L17 STRUCTURE UPLOADED
L18 2 SEARCH L17 SSS SAM

FILE 'CAPLUS' ENTERED AT 08:39:50 ON 30 APR 2003
L19 2 L18

FILE 'REGISTRY' ENTERED AT 08:48:41 ON 30 APR 2003
L20 9 SEARCH L17 SSS FULL
E 4-OXAZOLIDINEACETIC ACID,
3-METHYL-5-OXO-2,2-BIS(TRIFLUOROMET
L21 1 E3

FILE 'CAPLUS' ENTERED AT 08:51:30 ON 30 APR 2003
L22 2 L21

FILE 'REGISTRY' ENTERED AT 09:52:04 ON 30 APR 2003
E NEOTAME/CN
L23 1 E3
L24 1 L23

```
     FILE 'CAPLUS' ENTERED AT 09:52:55 ON 30 APR 2003
L25         105 L23

=> l1 and l25
L26           1 L1 AND L25

=> file reg
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         0.42     402.20

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)              SINCE FILE      TOTAL
                                                           ENTRY    SESSION
CA SUBSCRIBER PRICE                                         0.00      -6.51

FILE 'REGISTRY' ENTERED AT 09:53:38 ON 30 APR 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:   29 APR 2003  HIGHEST RN 507441-92-1
DICTIONARY FILE UPDATES:  29 APR 2003  HIGHEST RN 507441-92-1

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

Crossover limits have been increased.  See HELP CROSSOVER for details.

Experimental and calculated property data are now available.  See HELP
PROPERTIES for more information.  See STNote 27, Searching Properties
in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=> e aspartame/cn
E1            1     ASPARTACTIN (CHICKEN CLONE .LAMBDA.LNR1 PROTEIN MOIETY)/CN
E2            1     ASPARTAM HYDROCHLORIDE/CN
E3            1 --> ASPARTAME/CN
E4            1     ASPARTAME HEMIHYDRATE/CN
E5            1     ASPARTAME HYDROBROMIDE/CN
E6            1     ASPARTAME HYDROCHLORIDE/CN
E7            1     ASPARTAME SACCHARIN SALT/CN
E8            1     ASPARTAMIC ACID/CN
E9            1     ASPARTAMIDE/CN
E10           1     ASPARTAMIDE,
3-BROMO-N-((1,1-DIMETHYLETHOXY)CARBONYL)-5-HYDR

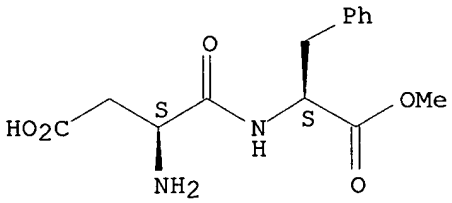
OXYTYROSYL-N1-(2-(3,5-DICHLORO-4-HYDROXYPHENYL)-1-(HYDROXYME
                    THYL)ETHYL)-3-HYDROXY-, CYCLIC (15.FWDARW.24)-ETHER/CN
E11           1     ASPARTAMIDE, ALANYLGLUTAMYLHISTIDYLPHENYLALANYLALANYL-/CN
E12           1     ASPARTAMIDE,
D-2-PHENYL-N-((PHENYLMETHOXY)CARBONYL)GLYCYL-N4
                    -METHYL-N1-(2-OXO-1-SULFO-3-AZETIDINYL)-, MONOSODIUM
SALT/CN
```

=> e3
L27 1 ASPARTAME/CN

=> d l27

L27 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS
RN 22839-47-0 REGISTRY
CN L-Phenylalanine, L-.alpha.-aspartyl-, 2-methyl ester (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN L-Phenylalanine, N-L-.alpha.-aspartyl-, 1-methyl ester
CN Succinamic acid, 3-amino-N-(.alpha.-carboxyphenethyl)-, N-methyl ester, stereoisomer (8CI)
OTHER NAMES:
CN .alpha.-L-Aspartyl-L-phenylalanine methyl ester
CN .alpha.-Sweet
CN **Aspartame**
CN Aspartylphenylalanine methyl ester
CN Canderel
CN Dipeptide sweetener
CN E 951
CN L-.alpha.-Aspartyl-L-phenylalanine methyl ester
CN L-Aspartyl-L-3-phenylalanine methyl ester
CN L-Aspartyl-L-phenylalanine methyl ester
CN L-Aspartyl-L-phenylalanyl methyl ester
CN Methyl aspartylphenylalanate
CN NutraSweet
CN Pal Sweet
CN Palsweet Diet
CN Sweet dipeptide
FS STEREOSEARCH
DR 7421-84-3, 172964-81-7, 53906-69-7
MF C14 H18 N2 O5
CI COM
LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DIOGENES, DRUGU, EMBASE, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PHARMASEARCH, PIRA, PROMT, RTECS*, TOXCENTER, USAN, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**, WHO
(**Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2445 REFERENCES IN FILE CA (1957 TO DATE)
67 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
2449 REFERENCES IN FILE CAPLUS (1957 TO DATE)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	7.10	409.30

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-6.51

FILE 'CAPLUS' ENTERED AT 09:55:39 ON 30 APR 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 30 Apr 2003 VOL 138 ISS 18
FILE LAST UPDATED: 29 Apr 2003 (20030429/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d his

(FILE 'HOME' ENTERED AT 07:47:05 ON 30 APR 2003)

FILE 'REGISTRY' ENTERED AT 07:47:16 ON 30 APR 2003

FILE 'CAPLUS' ENTERED AT 07:47:47 ON 30 APR 2003

L1	5542	OXAZOLIDINONE
L2	143392	ALDEHYDE
L3	580921	AMINO ACID
L4	427	L1 AND L3
L5	50	L2 AND L4
L6	58834	ASPARTIC
L7	0	L5 AND L6
L8	95	NEOTAME
L9	1	L8 AND L1
L10	45	L1 AND L6
L11	17521	N-SUBSTITUTED
L12	91	L6(L)L11
L13	0	L12 AND L1

FILE 'REGISTRY' ENTERED AT 08:34:30 ON 30 APR 2003

```
L14             STRUCTURE UPLOADED
L15          50 SEARCH L14 SSS SAM
L16       17542 SEARCH L14 SSS FULL
L17             STRUCTURE UPLOADED
L18           2 SEARCH L17 SSS SAM

     FILE 'CAPLUS' ENTERED AT 08:39:50 ON 30 APR 2003
L19           2 L18

     FILE 'REGISTRY' ENTERED AT 08:48:41 ON 30 APR 2003
L20           9 SEARCH L17 SSS FULL
               E 4-OXAZOLIDINEACETIC ACID,
3-METHYL-5-OXO-2,2-BIS(TRIFLUOROMET
L21           1 E3

     FILE 'CAPLUS' ENTERED AT 08:51:30 ON 30 APR 2003
L22           2 L21

     FILE 'REGISTRY' ENTERED AT 09:52:04 ON 30 APR 2003
               E NEOTAME/CN
L23           1 E3
L24           1 L23

     FILE 'CAPLUS' ENTERED AT 09:52:55 ON 30 APR 2003
L25         105 L23
L26           1 L1 AND L25

     FILE 'REGISTRY' ENTERED AT 09:53:38 ON 30 APR 2003
               E ASPARTAME/CN
L27           1 E3

     FILE 'CAPLUS' ENTERED AT 09:55:39 ON 30 APR 2003

=> l27
L28        2456 L27

=> l1 and l28
L29           4 L1 AND L28

=> d l1 1-4 ti

L1   ANSWER 1 OF 5542  CAPLUS  COPYRIGHT 2003 ACS
TI   Synthesis and in vivo imaging properties of [11C]befloxatone: A novel
     highly potent positron emission tomography ligand for mono-amine
oxidase-A

L1   ANSWER 2 OF 5542  CAPLUS  COPYRIGHT 2003 ACS
TI   Evaluation of asymmetric Diels-Alder approaches for the synthesis of the
     cyclohexene subunit of CP-225,917 and CP-263,114

L1   ANSWER 3 OF 5542  CAPLUS  COPYRIGHT 2003 ACS
TI   Oxazolidinone antibacterial agents: A critical review

L1   ANSWER 4 OF 5542  CAPLUS  COPYRIGHT 2003 ACS
TI   Have the oxazolidinones lived up to their billing? Future
     perspectives for this antibacterial class


=> l25 and l28
```

L30 62 L25 AND L28

=> d l30 42-62 ti

L30 ANSWER 42 OF 62 CAPLUS COPYRIGHT 2003 ACS
TI A method for the preparation of N-neohexyl-.alpha.-aspartyl-L-phenylalanine methyl ester from imidazolidin-4-one intermediates

L30 ANSWER 43 OF 62 CAPLUS COPYRIGHT 2003 ACS
TI N-[n-(3,3-dimethylbutyl)-L-.alpha.-aspartyl]-L-phenylalanine 1-methyl ester synergistic sweetener blends

L30 ANSWER 44 OF 62 CAPLUS COPYRIGHT 2003 ACS
TI Cocrystallization of sugar and n-[n-(3,3-dimethylbutyl)-1-.alpha.-aspartyl]-l-phenylalanine 1-methyl ester

L30 ANSWER 45 OF 62 CAPLUS COPYRIGHT 2003 ACS
TI The use of cyclodextrin to stabilize N-[N-(3,3-dimethylbutyl)-L-.alpha.-aspartyl]-L-phenylalanine 1-methyl ester

L30 ANSWER 46 OF 62 CAPLUS COPYRIGHT 2003 ACS
TI Low-calorie granular sweeteners containing dextrin with high dietary fiber content

L30 ANSWER 47 OF 62 CAPLUS COPYRIGHT 2003 ACS
TI Neotame: synthesis, stereochemistry and sweetness

L30 ANSWER 48 OF 62 CAPLUS COPYRIGHT 2003 ACS
TI Sweetener compositions

L30 ANSWER 49 OF 62 CAPLUS COPYRIGHT 2003 ACS
TI Use of D-tagatose as synergizer and flavour enhancer

L30 ANSWER 50 OF 62 CAPLUS COPYRIGHT 2003 ACS
TI Neotame sweetener for dairy products and dairy product substitutes

L30 ANSWER 51 OF 62 CAPLUS COPYRIGHT 2003 ACS
TI Neotame-based tabletop sweetener compositions

L30 ANSWER 52 OF 62 CAPLUS COPYRIGHT 2003 ACS
TI Neotame-based sweeteners for beverages

L30 ANSWER 53 OF 62 CAPLUS COPYRIGHT 2003 ACS
TI Sweetener compositions containing aspartame and aspartame derivatives

L30 ANSWER 54 OF 62 CAPLUS COPYRIGHT 2003 ACS
TI Manufacture of mixed crystals comprising aspartame and its derivatives

L30 ANSWER 55 OF 62 CAPLUS COPYRIGHT 2003 ACS
TI Use of N-[N-(3,3-dimethylbutyl)-L-.alpha.-aspartyl]-L-phenylalanine 1-methyl ester in baked goods, frostings and bakery fillings

L30 ANSWER 56 OF 62 CAPLUS COPYRIGHT 2003 ACS
TI Method for separating and purifying aspartame and aspartame derivative

L30 ANSWER 57 OF 62 CAPLUS COPYRIGHT 2003 ACS
TI Process for the purification of aspartame derivative

Connecting via Winsock to STN

Trying 3106016892...Open

Welcome to STN International! Enter x:x
LOGINID:ssspta1623paz
PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2	Dec 17	The CA Lexicon available in the CAPLUS and CA files
NEWS 3	Feb 06	Engineering Information Encompass files have new names
NEWS 4	Feb 16	TOXLINE no longer being updated
NEWS 5	Apr 23	Search Derwent WPINDEX by chemical structure
NEWS 6	Apr 23	PRE-1967 REFERENCES NOW SEARCHABLE IN CAPLUS AND CA
NEWS 7	May 07	DGENE Reload
NEWS 8	Jun 20	Published patent applications (A1) are now in USPATFULL
NEWS 9	JUL 13	New SDI alert frequency now available in Derwent's DWPI and DPCI
NEWS 10	Aug 23	In-process records and more frequent updates now in MEDLINE
NEWS 11	Aug 23	PAGE IMAGES FOR 1947-1966 RECORDS IN CAPLUS AND CA
NEWS 12	Aug 23	Adis Newsletters (ADISNEWS) now available on STN
NEWS 13	Sep 17	IMSworld Pharmaceutical Company Directory name change to PHARMASEARCH
NEWS 14	Oct 09	Korean abstracts now included in Derwent World Patents Index
NEWS 15	Oct 09	Number of Derwent World Patents Index updates increased
NEWS 16	Oct 15	Calculated properties now in the REGISTRY/ZREGISTRY File
NEWS 17	Oct 22	Over 1 million reactions added to CASREACT
NEWS 18	Oct 22	DGENE GETSIM has been improved
NEWS 19	Oct 29	AAASD no longer available
NEWS 20	Nov 19	New Search Capabilities USPATFULL and USPAT2
NEWS 21	Nov 19	TOXCENTER(SM) - new toxicology file now available on STN
NEWS 22	Nov 29	COPPERLIT now available on STN
NEWS 23	Nov 29	DWPI revisions to NTIS and US Provisional Numbers
NEWS 24	Nov 30	Files VETU and VETB to have open access

NEWS EXPRESS	August 15 CURRENT WINDOWS VERSION IS V6.0c, CURRENT MACINTOSH VERSION IS V6.0 (ENG) AND V6.0J (JP), AND CURRENT DISCOVER FILE IS DATED 07 AUGUST 2001
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

L30 ANSWER 58 OF 62 CAPLUS COPYRIGHT 2003 ACS
TI Purification and recovery of N-(3,3-dimethylbutyl)-.alpha.-L-aspartyl-L-phenylalanine methyl ester as sweetener

L30 ANSWER 59 OF 62 CAPLUS COPYRIGHT 2003 ACS
TI Sweetener for improving taste

L30 ANSWER 60 OF 62 CAPLUS COPYRIGHT 2003 ACS
TI Method for preparing and purifying an N-alkylated aspartame derivative

L30 ANSWER 61 OF 62 CAPLUS COPYRIGHT 2003 ACS
TI Improved method for the preparation of an aspartame-derived compound useful as a sweetener

L30 ANSWER 62 OF 62 CAPLUS COPYRIGHT 2003 ACS
TI New dipeptide derivatives and analogs useful as sweetening agents, and process for their preparation

=> d l30 46 ti fbib abs

L30 ANSWER 46 OF 62 CAPLUS COPYRIGHT 2003 ACS
TI Low-calorie granular sweeteners containing dextrin with high dietary fiber
content
AN 2000:89198 CAPLUS
DN 132:136662
TI Low-calorie granular sweeteners containing dextrin with high dietary fiber
content
IN Okuma, Kazuhiro; Chii, Yasuhiro; Katsuta, Yasuo
PA Matsutani Kagaku Kogyo Kaisha, Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 2000037169	A2	20000208	JP 1998-208869	19980724
			JP 1998-208869	19980724

AB The sweeteners, which show good flowability, storage stability, and taste, comprise particles, in which each particle contains highly-sweet sweetening agents such as aspartame, stevia, glycyrrhizin, somatin, etc., and dextrin with dietary fiber content .gtoreq.30% as extenders. Pine Fiber C (dextrin contg. 80/4% dietary fiber with 0.61 kcal/g) was spray-coated with an aq. soln of SK Sweet Z (stevia), dried at 45.degree., and then cooled to give low-calorie granular sweetener with sweetness similar to that of sugar.

=> d l30 21-41 ti

L30 ANSWER 21 OF 62 CAPLUS COPYRIGHT 2003 ACS
TI Preparation of nicotine salts with improved taste for use as smoking cessation agents

L30 ANSWER 22 OF 62 CAPLUS COPYRIGHT 2003 ACS
TI Synthesis of
N-(N-(3,3-dimethylbutyl)-L-.alpha.-aspartyl)-L-phenylalanine-
1-methyl ester by reductive alkylation and crystallization/isolation in
aqueous methanol

L30 ANSWER 23 OF 62 CAPLUS COPYRIGHT 2003 ACS
TI Process for making granulated
N-[N-(3,3-dimethylbutyl)-l-.alpha.-aspartyl]-
l-phenylalanine 1-methyl ester

L30 ANSWER 24 OF 62 CAPLUS COPYRIGHT 2003 ACS
TI Release of lipophilic active agents from chewing gum base of hydrophilic
polymers

L30 ANSWER 25 OF 62 CAPLUS COPYRIGHT 2003 ACS
TI Solid mixture of food contents and food additives, procedures for its
production and use of the same.

L30 ANSWER 26 OF 62 CAPLUS COPYRIGHT 2003 ACS
TI Responses of the ant lasius niger to various compounds perceived as sweet
in humans: A structure-activity relationship study

L30 ANSWER 27 OF 62 CAPLUS COPYRIGHT 2003 ACS
TI Pharmaceutical compositions containing neotame

L30 ANSWER 28 OF 62 CAPLUS COPYRIGHT 2003 ACS
TI Personal care compositions containing N-[N-(3,3-dimethylbutyl)-1-.alpha.-
aspartyl]-L-phenylalanine methyl ester

L30 ANSWER 29 OF 62 CAPLUS COPYRIGHT 2003 ACS
TI Process for coating N-[N-(3,3-dimethylbutyl)-L-.alpha.-aspartyl]-L-
phenylalanine 1-methyl ester onto a carrier

L30 ANSWER 30 OF 62 CAPLUS COPYRIGHT 2003 ACS
TI Confectionery food products sweetened with N-[N-(3,3-dimethylbutyl)-L-
.alpha.-aspartyl]-L-phenylalanine methyl ester

L30 ANSWER 31 OF 62 CAPLUS COPYRIGHT 2003 ACS
TI Process for the preparation of 3,3-dimethylbutanal

L30 ANSWER 32 OF 62 CAPLUS COPYRIGHT 2003 ACS
TI Use of additives to modify the taste characteristics of
N-neohexyl-.alpha.-aspartyl-L-phenylalanine methyl ester

L30 ANSWER 33 OF 62 CAPLUS COPYRIGHT 2003 ACS
TI Nutraceuticals having N-[N-(3,3-dimethylbutyl)-L-.alpha.-aspartyl]-L-
phenylalanine 1-methyl ester

L30 ANSWER 34 OF 62 CAPLUS COPYRIGHT 2003 ACS
TI Preparation of free-flowing neotame by extrusion and spheronization

L30 ANSWER 35 OF 62 CAPLUS COPYRIGHT 2003 ACS
TI Manufacture of edible gels sweetened with neotame

L30 ANSWER 36 OF 62 CAPLUS COPYRIGHT 2003 ACS
TI Cereals and cereal-based food sweetened with neotame

L30 ANSWER 37 OF 62 CAPLUS COPYRIGHT 2003 ACS

TI Investigation of Polymorphism in Aspartame and Neotame Using Solid-State NMR Spectroscopy

L30 ANSWER 38 OF 62 CAPLUS COPYRIGHT 2003 ACS
TI N-[N-(3,3-Dimethylbutyl)-L-.alpha.-aspartyl]-L-phenylalanine 1-methyl ester agglomerate

L30 ANSWER 39 OF 62 CAPLUS COPYRIGHT 2003 ACS
TI Use of N-neohexyl-.alpha.-aspartyl-L-phenylalanine methyl ester as a flavor modifier

L30 ANSWER 40 OF 62 CAPLUS COPYRIGHT 2003 ACS
TI Chewing gum containing medicament active agents

L30 ANSWER 41 OF 62 CAPLUS COPYRIGHT 2003 ACS
TI Improved release of medicament active agents from a chewing gum coating

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	21.84	431.14
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.65	-7.16

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 10:03:35 ON 30 APR 2003

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssspta1623paz

PASSWORD:
* * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 10:48:59 ON 30 APR 2003
FILE 'CAPLUS' ENTERED AT 10:48:59 ON 30 APR 2003
COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	21.84	431.14
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.65	-7.16

=> d his logoff hold
'LOGOFF' IS NOT VALID HERE
For an explanation, enter "HELP DISPLAY HISTORY".

=> d his

```
     (FILE 'HOME' ENTERED AT 07:47:05 ON 30 APR 2003)

     FILE 'REGISTRY' ENTERED AT 07:47:16 ON 30 APR 2003

     FILE 'CAPLUS' ENTERED AT 07:47:47 ON 30 APR 2003
L1          5542 OXAZOLIDINONE
L2        143392 ALDEHYDE
L3        580921 AMINO ACID
L4           427 L1 AND L3
L5            50 L2 AND L4
L6         58834 ASPARTIC
L7             0 L5 AND L6
L8            95 NEOTAME
L9             1 L8 AND L1
L10           45 L1 AND L6
L11        17521 N-SUBSTITUTED
L12           91 L6(L)L11
L13            0 L12 AND L1

     FILE 'REGISTRY' ENTERED AT 08:34:30 ON 30 APR 2003
L14               STRUCTURE UPLOADED
L15           50 SEARCH L14 SSS SAM
L16        17542 SEARCH L14 SSS FULL
L17               STRUCTURE UPLOADED
L18            2 SEARCH L17 SSS SAM

     FILE 'CAPLUS' ENTERED AT 08:39:50 ON 30 APR 2003
L19            2 L18

     FILE 'REGISTRY' ENTERED AT 08:48:41 ON 30 APR 2003
L20            9 SEARCH L17 SSS FULL
                 E 4-OXAZOLIDINEACETIC ACID,
3-METHYL-5-OXO-2,2-BIS(TRIFLUOROMET
L21            1 E3

     FILE 'CAPLUS' ENTERED AT 08:51:30 ON 30 APR 2003
L22            2 L21

     FILE 'REGISTRY' ENTERED AT 09:52:04 ON 30 APR 2003
                 E NEOTAME/CN
L23            1 E3
L24            1 L23

     FILE 'CAPLUS' ENTERED AT 09:52:55 ON 30 APR 2003
L25          105 L23
L26            1 L1 AND L25

     FILE 'REGISTRY' ENTERED AT 09:53:38 ON 30 APR 2003
                 E ASPARTAME/CN
L27            1 E3

     FILE 'CAPLUS' ENTERED AT 09:55:39 ON 30 APR 2003
L28         2456 L27
L29            4 L1 AND L28
L30           62 L25 AND L28

=> logoff hold
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                 ENTRY    SESSION
```

FULL ESTIMATED COST 22.26 431.56

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE ENTRY TOTAL SESSION

CA SUBSCRIBER PRICE -0.65 -7.16

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 10:49:34 ON 30 APR 2003

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssspta1623paz

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 Apr 08 "Ask CAS" for self-help around the clock
NEWS 3 Jun 03 New e-mail delivery for search results now available
NEWS 4 Aug 08 PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 5 Aug 19 Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS 6 Aug 26 Sequence searching in REGISTRY enhanced
NEWS 7 Sep 03 JAPIO has been reloaded and enhanced
NEWS 8 Sep 16 Experimental properties added to the REGISTRY file
NEWS 9 Sep 16 CA Section Thesaurus available in CAPLUS and CA
NEWS 10 Oct 01 CASREACT Enriched with Reactions from 1907 to 1985
NEWS 11 Oct 24 BEILSTEIN adds new search fields
NEWS 12 Oct 24 Nutraceuticals International (NUTRACEUT) now available on STN
NEWS 13 Nov 18 DKILIT has been renamed APOLLIT
NEWS 14 Nov 25 More calculated properties added to REGISTRY
NEWS 15 Dec 04 CSA files on STN
NEWS 16 Dec 17 PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS 17 Dec 17 TOXCENTER enhanced with additional content
NEWS 18 Dec 17 Adis Clinical Trials Insight now available on STN
NEWS 19 Jan 29 Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC
NEWS 20 Feb 13 CANCERLIT is no longer being updated
NEWS 21 Feb 24 METADEX enhancements
NEWS 22 Feb 24 PCTGEN now available on STN
NEWS 23 Feb 24 TEMA now available on STN
NEWS 24 Feb 26 NTIS now allows simultaneous left and right truncation
NEWS 25 Feb 26 PCTFULL now contains images
NEWS 26 Mar 04 SDI PACKAGE for monthly delivery of multifile SDI results
NEWS 27 Mar 19 APOLLIT offering free connect time in April 2003
NEWS 28 Mar 20 EVENTLINE will be removed from STN
NEWS 29 Mar 24 PATDPAFULL now available on STN
NEWS 30 Mar 24 Additional information for trade-named substances without structures available in REGISTRY
NEWS 31 Apr 11 Display formats in DGENE enhanced

NEWS 32 Apr 14 MEDLINE Reload
NEWS 33 Apr 17 Polymer searching in REGISTRY enhanced
NEWS 34 Apr 21 Indexing from 1947 to 1956 being added to records in CA/CAPLUS
NEWS 35 Apr 21 New current-awareness alert (SDI) frequency in WPIDS/WPINDEX/WPIX
NEWS 36 Apr 28 RDISCLOSURE now available on STN

NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 11:50:39 ON 30 APR 2003

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 11:50:48 ON 30 APR 2003

```
FILE 'HOME' ENTERED AT 07:02:47 ON 05 DEC 2001

=> file reg
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         0.60       0.60

FILE 'REGISTRY' ENTERED AT 07:05:02 ON 05 DEC 2001
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STRUCTURE FILE UPDATES:     3 DEC 2001  HIGHEST RN 373353-24-3
DICTIONARY FILE UPDATES:    3 DEC 2001  HIGHEST RN 373353-24-3

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

Crossover limits have been increased.  See HELP CROSSOVER for details.

Calculated physical property data is now available.  See HELP PROPERTIES
for more information.  See STNote 27, Searching Properties in the CAS
Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=> e N-(3,3-dimethylbutyl)-L-aspartic acid/cn
E1            1      N-(3,3-DIMETHYLALLYL)DIHYDRONORMORPHINONE DIETHYLCARBAMATE
(
                     ESTER), MONOTARTRATE/CN
E2            1      N-(3,3-DIMETHYLALLYL)NORDESOMORPHINE/CN
E3            0 --> N-(3,3-DIMETHYLBUTYL)-L-ASPARTIC ACID/CN
E4            1      N-(3,3-DIMETHYLBUTYL)-N'-PHENYL-P-PHENYLENEDIAMINE/CN
E5            1      N-(3,3-DIMETHYLBUTYL)ISOQUINOLINIUM IODIDE/CN
E6            1      N-(3,3-DIMETHYLBUTYL)PENTYLAMINE/CN
E7            1      N-(3,3-DIMETHYLBUTYL)PHTHALIMIDE/CN
E8            1      N-(3,3-DIMETHYLBUTYL)PIPERAZINE/CN
E9            1      N-(3,3-DIMETHYLBUTYRYL)-L-SERINE METHYL ESTER/CN
E10           1      N-(3,3-DIMETHYLCYCLOPENTYL)PYRROLIDINE/CN
E11           1
N-(3,3-DIPHENYL-2-PROPENYL)-N-(1-METHYL-2-PHENYLETHYL)-1-.BE
                     TA.-D-GLUCOPYRANOSYLAMINE/CN
E12           1      N-(3,3-DIPHENYLPROPIONYL)PIPERAZINE/CN

=> e N-(3,3-dimethyl-butyl)-L-aspartic acid/cn
E1            1      N-(3,3-DIMETHOXYPROPYL)FORMAMIDE/CN
E2            1      N-(3,3-DIMETHYL-2-BUTYL)TETRACHLOROPHTHALIMIDE/CN
E3            0 --> N-(3,3-DIMETHYL-BUTYL)-L-ASPARTIC ACID/CN
E4            1      N-(3,3-DIMETHYLACRYLOYL)-N-DEACETYLLAPPACONITINE/CN
E5            1      N-(3,3-DIMETHYLACRYLOYL)PUBERANIDINE/CN
E6            1      N-(3,3-DIMETHYLACRYLYL)GLYCINE/CN
E7            1      N-(3,3-DIMETHYLALLYL)-N-DEMETHYLDEXTROMETHORPHAN/CN
E8            1      N-(3,3-DIMETHYLALLYL)-N-DEMETHYLDEXTROMETHORPHAN
HYDROCHLORI
                     DE/CN
E9            1      N-(3,3-DIMETHYLALLYL)-N-DEMETHYLLEVOMETHORPHAN/CN
```

```
E10             1      N-(3,3-DIMETHYLALLYL)-N-METHYLANILINE/CN
E11             1      N-(3,3-DIMETHYLALLYL)ANILINE/CN
E12             1      N-(3,3-DIMETHYLALLYL)DIHYDRO-14-HYDROXYNORMORPHINE/CN

=> e N-(3,3-dimethyl-butyl)-aspartic acid/cn
E1              1      N-(3,3-DIMETHOXYPROPYL)FORMAMIDE/CN
E2              1      N-(3,3-DIMETHYL-2-BUTYL)TETRACHLOROPHTHALIMIDE/CN
E3              0 --> N-(3,3-DIMETHYL-BUTYL)-ASPARTIC ACID/CN
E4              1      N-(3,3-DIMETHYLACRYLOYL)-N-DEACETYLLAPPACONITINE/CN
E5              1      N-(3,3-DIMETHYLACRYLOYL)PUBERANIDINE/CN
E6              1      N-(3,3-DIMETHYLACRYLYL)GLYCINE/CN
E7              1      N-(3,3-DIMETHYLALLYL)-N-DEMETHYLDEXTROMETHORPHAN/CN
E8              1      N-(3,3-DIMETHYLALLYL)-N-DEMETHYLDEXTROMETHORPHAN
HYDROCHLORI
                       DE/CN
E9              1      N-(3,3-DIMETHYLALLYL)-N-DEMETHYLLEVOMETHORPHAN/CN
E10             1      N-(3,3-DIMETHYLALLYL)-N-METHYLANILINE/CN
E11             1      N-(3,3-DIMETHYLALLYL)ANILINE/CN
E12             1      N-(3,3-DIMETHYLALLYL)DIHYDRO-14-HYDROXYNORMORPHINE/CN

=> e N-(3,3-dimethyl-butyl)-aspartic acid/cnfile caplus
'CAPLUS' IS NOT VALID HERE
For an explanation of the EXPAND command, enter "HELP EXPAND" at an
arrow prompt (=>).

=> file caplus
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                   ENTRY    SESSION
FULL ESTIMATED COST                                1.55       2.15

FILE 'CAPLUS' ENTERED AT 07:07:53 ON 05 DEC 2001
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FILE COVERS 1947 - 5 Dec 2001  VOL 135 ISS 24
FILE LAST UPDATED: 3 Dec 2001  (20011203/ED)

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```
=> neotame
L1          58 NEOTAME

=> oxazolidinone
          3984 OXAZOLIDINONE
          1473 OXAZOLIDINONES
L2        4371 OXAZOLIDINONE
                (OXAZOLIDINONE OR OXAZOLIDINONES)

=> l1 and l2
L3           0 L1 AND L2

=>
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         3.76       5.91

FILE 'STNGUIDE' ENTERED AT 07:08:53 ON 05 DEC 2001
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AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Nov 30, 2001 (20011130/UP).

=>
NAME             CREATED      NOTES/TITLE
--------------   -----------  -------------------------------------
INDIUMCL3/A      30 MAY 2001  1 ANSWER IN FILE REGISTRY
LTWENTAUGFOR/A   04 AUG 2001  72 ANSWERS IN FILE CAPLUS
MEKINHIB/A       TEMP         5 ANSWERS IN FILE CAPLUS
NEOALDE/A        TEMP         14 ANSWERS IN FILE CAPLUS
NEOSRCH/L        TEMP         9 L-NUMBERS
NEOTAME/A        TEMP         71 ANSWERS IN FILE CAPLUS
NEOTAMECRYST/A   24 APR 2001  59 ANSWERS IN FILE CAPLUS
NVLARMFULGEN/A   19 APR 2001  196 ANSWERS IN FILE REGISTRY
POHBENZALDEH/A   10 JUL 2001  5519 ANSWERS IN FILE CAPLUS
PROSTACMPD15/A   01 AUG 2001  34 ANSWERS IN FILE CAPLUS
TWOAMINOPOLY/Q   16 APR 2001  UPLOADED STRUCTURE


=>
NO SAVED SDI REQUESTS


=>
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         0.00       5.91

FILE 'CAPLUS' ENTERED AT 07:12:08 ON 05 DEC 2001
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FILE LAST UPDATED: 3 Dec 2001 (20011203/ED)

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=>
L4 (1) SEA FILE=REGISTRY ABB=ON PLU=ON NEOTAME/CN
L5 71 SEA FILE=CAPLUS ABB=ON PLU=ON L4

=> l5 and l2
L6 0 L5 AND L2

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	1.30	7.21

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 07:14:23 ON 05 DEC 2001

Connecting via Winsock to STN

Trying 3106016892...Open

Welcome to STN International! Enter x:x
LOGINID:ssspta1623paz
PASSWORD:
* * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 07:23:29 ON 05 DEC 2001
FILE 'CAPLUS' ENTERED AT 07:23:29 ON 05 DEC 2001
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	1.30	7.21

=> file reg

COST IN U.S. DOLLARS	SINCE FILE	TOTAL

	ENTRY	SESSION
FULL ESTIMATED COST	1.95	7.86

FILE 'REGISTRY' ENTERED AT 07:24:33 ON 05 DEC 2001
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STRUCTURE FILE UPDATES: 3 DEC 2001 HIGHEST RN 373353-24-3
DICTIONARY FILE UPDATES: 3 DEC 2001 HIGHEST RN 373353-24-3

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

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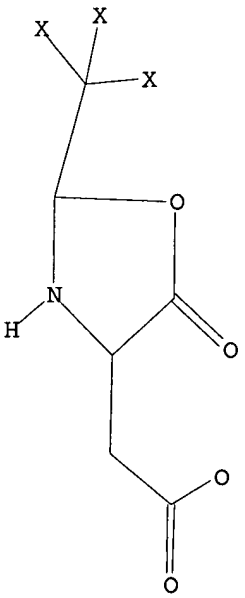
Calculated physical property data is now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=>
Uploading 09859439 oxazolidinone generic.str

L7 STRUCTURE UPLOADED

=> d l7
L7 HAS NO ANSWERS
L7 STR



Structure attributes must be viewed using STN Express query preparation.

=> search l7
ENTER TYPE OF SEARCH (SSS), CSS, FAMILY, OR EXACT:sss
ENTER SCOPE OF SEARCH (SAMPLE), FULL, RANGE, OR SUBSET:sample

SAMPLE SEARCH INITIATED 07:25:58 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 8 TO ITERATE

100.0% PROCESSED 8 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 8 TO 329
PROJECTED ANSWERS: 0 TO 0

L8 0 SEA SSS SAM L7

=> search l7
ENTER TYPE OF SEARCH (SSS), CSS, FAMILY, OR EXACT:sss
ENTER SCOPE OF SEARCH (SAMPLE), FULL, RANGE, OR SUBSET:full
FULL SEARCH INITIATED 07:26:15 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 150 TO ITERATE

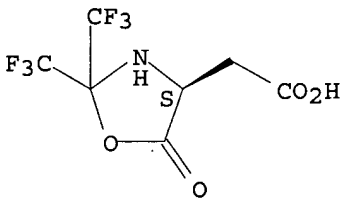
100.0% PROCESSED 150 ITERATIONS 9 ANSWERS
SEARCH TIME: 00.00.01

L9 9 SEA SSS FUL L7

=> d scan

L9 9 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 4-Oxazolidineacetic acid, 5-oxo-2,2-bis(trifluoromethyl)-, (4S)- (9CI)
MF C7 H5 F6 N O4

Absolute stereochemistry.

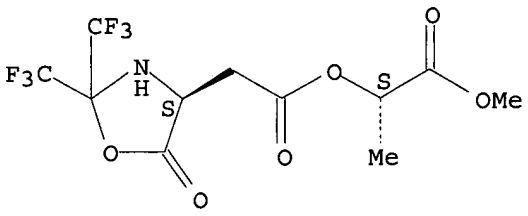


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):9

L9 9 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 4-Oxazolidineacetic acid, 5-oxo-2,2-bis(trifluoromethyl)-,
2-methoxy-1-methyl-2-oxoethyl ester, [S-(R*,R*)]- (9CI)
MF C11 H11 F6 N O6

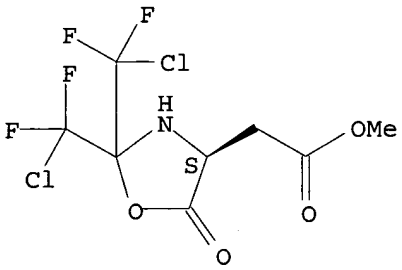
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

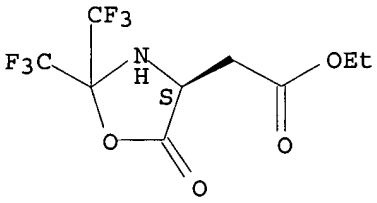
L9 9 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 4-Oxazolidineacetic acid, 2,2-bis(chlorodifluoromethyl)-5-oxo-, methyl ester, (S)- (9CI)
MF C8 H7 Cl2 F4 N O4

Absolute stereochemistry.



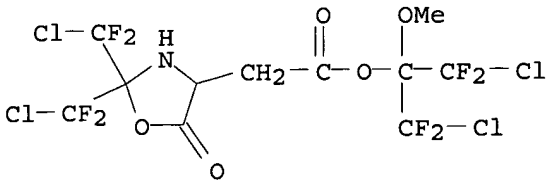
L9 9 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 4-Oxazolidineacetic acid, 5-oxo-2,2-bis(trifluoromethyl)-, ethyl ester, (S)- (9CI)
MF C9 H9 F6 N O4

Absolute stereochemistry.



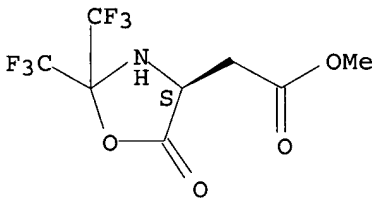
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L9 9 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 4-Oxazolidineacetic acid, 2,2-bis(chlorodifluoromethyl)-5-oxo-, 2-chloro-1-(chlorodifluoromethyl)-2,2-difluoro-1-methoxyethyl ester (9CI)
MF C11 H7 Cl4 F8 N O5



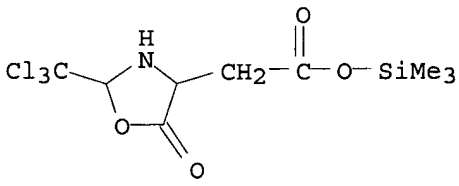
L9 9 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 4-Oxazolidineacetic acid, 5-oxo-2,2-bis(trifluoromethyl)-, methyl ester, (S)- (9CI)
MF C8 H7 F6 N O4

Absolute stereochemistry.



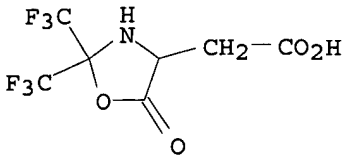
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L9 9 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 4-Oxazolidineacetic acid, 5-oxo-2-(trichloromethyl)-, trimethylsilyl ester
(9CI)
MF C9 H14 Cl3 N O4 Si



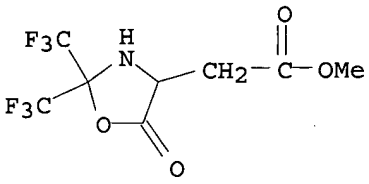
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L9 9 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 4-Oxazolidineacetic acid, 5-oxo-2,2-bis(trifluoromethyl)- (9CI)
MF C7 H5 F6 N O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L9 9 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 4-Oxazolidineacetic acid, 5-oxo-2,2-bis(trifluoromethyl)-, methyl ester (7CI, 8CI)
MF C8 H7 F6 N O4



ALL ANSWERS HAVE BEEN SCANNED

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	134.49	142.35

FILE 'CAPLUS' ENTERED AT 07:27:10 ON 05 DEC 2001
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FILE COVERS 1947 - 5 Dec 2001 VOL 135 ISS 24
FILE LAST UPDATED: 3 Dec 2001 (20011203/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

This file supports REG1stRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

CAplus now provides online access to patents and literature covered

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The CA Lexicon is now available in the Controlled Term (/CT) field. Enter HELP LEXICON for full details.

=> l9
L10 14 L9

=> d l9 1-14 ti
YOU HAVE REQUESTED DATA FROM FILE 'REGISTRY' - CONTINUE? (Y)/N:n

=> d l10 1-14 ti

L10 ANSWER 1 OF 14 CAPLUS COPYRIGHT 2001 ACS
TI New stereoconservative syntheses of .beta.,.beta.,.beta.- and .gamma.,.gamma.,.gamma.-trifluoro-.alpha.-amino, .alpha.-hydroxy, and .alpha.-mercapto acids and their incorporation into a peptide and depsipeptide fragment

L10 ANSWER 2 OF 14 CAPLUS COPYRIGHT 2001 ACS
TI No-carrier-added radiosynthesis of [18F]fluoroarginine as a lead structure
for potential radiopharmaceutical for probing nitric oxide synthetase activity

L10 ANSWER 3 OF 14 CAPLUS COPYRIGHT 2001 ACS
TI A new approach to N-methylaspartic, N-methylglutamic, and N-methyl-.alpha.-aminoadipic acid derivatives

L10 ANSWER 4 OF 14 CAPLUS COPYRIGHT 2001 ACS
TI An efficient, stereoselective synthesis of (-)-bulgecinine from (S)-aspartic acid

L10 ANSWER 5 OF 14 CAPLUS COPYRIGHT 2001 ACS
TI Preparation of aspartyl-D-alanine N-(thietan-3-yl)amides (alitam).

L10 ANSWER 6 OF 14 CAPLUS COPYRIGHT 2001 ACS
TI Hexafluoroacetone as activating and protecting reagent in amino acid and peptide chemistry. 19. An efficient approach to the family of 4-substituted pipecolic acids. Syntheses of 4-oxo-, cis-4-hydroxy-, and trans-4-hydroxy-L-pipecolic acids from L-aspartic acid

L10 ANSWER 7 OF 14 CAPLUS COPYRIGHT 2001 ACS
TI Hexafluoroacetone as activating and protecting reagent in amino acid and peptide chemistry. 17. An efficient synthesis of 5-hydroxy-4-oxo-L-norvaline from L-aspartic acid

L10 ANSWER 8 OF 14 CAPLUS COPYRIGHT 2001 ACS
TI Hexafluoroacetone as protecting group and activating reagent in amino acid
and peptide chemistry. XI. A new simple preparative access to 2,5-dioxopiperazines and 2,5-dioxomorpholines

L10 ANSWER 9 OF 14 CAPLUS COPYRIGHT 2001 ACS
TI Regiospecific reactions with .omega.-carboxy-.alpha.-amino acids. Part III. Aspartic acid

L10 ANSWER 10 OF 14 CAPLUS COPYRIGHT 2001 ACS
TI A new, preparatively simple way to dihydroorotic acid, 1-methyl-4,5-dihydroorotic acid and their derivatives

L10 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2001 ACS
TI Regiospecific reactions with .omega.-carboxy .alpha.-amino acids. A simple synthesis of aspartame

L10 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2001 ACS
TI Negative ion chemical ionization mass spectra of .alpha.-amino acid oxazolidinone derivatives

L10 ANSWER 13 OF 14 CAPLUS COPYRIGHT 2001 ACS
TI Mass spectra of .alpha.-amino acid oxazolidinones

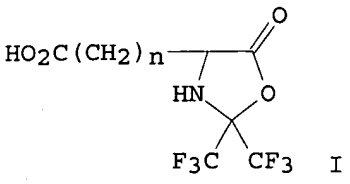
L10 ANSWER 14 OF 14 CAPLUS COPYRIGHT 2001 ACS
TI Synthesis of 2-trichloromethyl-5-oxazolidinones by the reaction of chloral with N,O-trimethylsilyl derivatives of amino acids

=> aspartame
2535 ASPARTAME
6 ASPARTAMES
L11 2535 ASPARTAME
(ASPARTAME OR ASPARTAMES)

=> l11 and l10
L12 1 L11 AND L10

=> d l12 ti fbib abs

L12 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2001 ACS
TI Regiospecific reactions with .omega.-carboxy .alpha.-amino acids. A simple synthesis of **aspartame**
AN 1991:24570 CAPLUS
DN 114:24570
TI Regiospecific reactions with .omega.-carboxy .alpha.-amino acids. A simple synthesis of **aspartame**
AU Burger, Klaus; Rudolph, Martin
CS Inst. Org. Chem., Tech. Univ. Muenchen, Garching, D-8046, Fed. Rep. Ger.
SO Chem.-Ztg. (1990), 114(7-8), 249-51
CODEN: CMKZAT; ISSN: 0009-2894
DT Journal
LA German
OS CASREACT 114:24570
GI



I

AB The cyclocondensation of HO2C(CH2)nCH(NH2)CO2H (n = 1, 2, 3) with (CF3)2CO in DMSO gave oxazolidinones I. I (n = 1) was treated with H-Phe-OMe in Et2O to give H-Asp-Phe-OMe (**aspartame**).

```
=> toluensul?
L13         116 TOLUENSUL?

=> toluenesul?
L14       35584 TOLUENESUL?

=> l14 and l10
L15           0 L14 AND L10

=> acid
        3033237 ACID
        1190563 ACIDS
L16     3459943 ACID
                  (ACID OR ACIDS)

=> l10 and l16
L17          14 L10 AND L16

=> d  l12 3,6,7,8,9,10,14 ti fbib abs
      1 ANSWERS ARE AVAILABLE.  SPECIFIED ANSWER NUMBER EXCEEDS ANSWER SET
SIZE
The answer numbers requested are not in the answer set.
ENTER ANSWER NUMBER OR RANGE (1):end

=> d l12 3,6,7,8,9,10,14 ti fbib abs
      1 ANSWERS ARE AVAILABLE.  SPECIFIED ANSWER NUMBER EXCEEDS ANSWER SET
SIZE
The answer numbers requested are not in the answer set.
ENTER ANSWER NUMBER OR RANGE (1):end

=> d l10 3,6,7,8,9,10,14 ti fbib abs

L10  ANSWER 3 OF 14  CAPLUS  COPYRIGHT 2001 ACS
TI   A new approach to N-methylaspartic, N-methylglutamic, and
     N-methyl-.alpha.-aminoadipic acid derivatives
AN   2000:55458  CAPLUS
DN   132:237363
TI   A new approach to N-methylaspartic, N-methylglutamic, and
     N-methyl-.alpha.-aminoadipic acid derivatives
AU   Burger, Klaus; Spengler, Jan
CS   Department of Organic Chemistry, University of Leipzig, Leipzig, D-04103,
     Germany
SO   Eur. J. Org. Chem. (2000), (1), 199-204
     CODEN: EJOCFK; ISSN: 1434-193X
PB   Wiley-VCH Verlag GmbH
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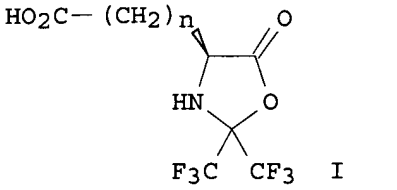
DT Journal
LA English
GI



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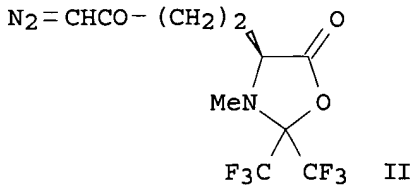

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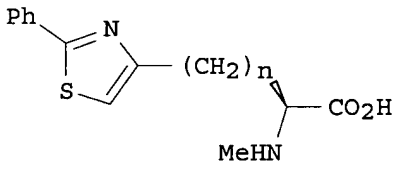

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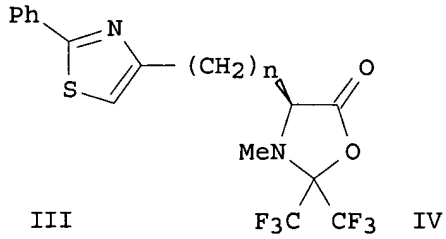


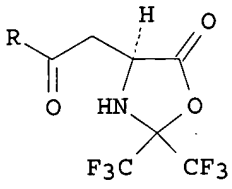
IV

AB N-Methylaspartic and N-methylglutamic acids are obtained by a stereoconservative one-pot procedure from hexafluoroacetone-protected aspartic and glutamic acids I (n = 1, 2). L-.alpha.-(Methylamino)adipic acid and its dipeptide deriv., L-.alpha.-(N-methylamino)adipoyl-L-phenylalanine Me ester, are accessible from a glutamate-derived diazoketone II through a Wolff rearrangement. Other .alpha.-amino acids III (n = 1, 2) are obtained by the same methods via hexafluoroacetone-protected amino acid derivs. IV (n = 1, 2).

RE.CNT 37
RE
(2) Balkenhohl, F; Angew Chem Int Ed 1996, V35, P2288 CAPLUS
(4) Bhatt, U; Tetrahedron Lett 1997, V38, P3679 CAPLUS
(5) Bowman, W; Tetrahedron 1997, V53, P15787 CAPLUS
(6) Burger, K; Chem-Ztg 1990, V114, P249 CAPLUS
(7) Burger, K; Synthesis 1992, P1145 CAPLUS
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 6 OF 14 CAPLUS COPYRIGHT 2001 ACS
TI Hexafluoroacetone as activating and protecting reagent in amino acid and peptide chemistry. 19. An efficient approach to the family of 4-substituted pipecolic acids. Syntheses of 4-oxo-, cis-4-hydroxy-, and trans-4-hydroxy-L-pipecolic acids from L-aspartic acid
AN 1995:476973 CAPLUS
DN 123:112661
TI Hexafluoroacetone as activating and protecting reagent in amino acid and peptide chemistry. 19. An efficient approach to the family of 4-substituted pipecolic acids. Syntheses of 4-oxo-, cis-4-hydroxy-, and trans-4-hydroxy-L-pipecolic acids from L-aspartic acid
AU Golubev, Alexander; Sewald, Norbert; Burger, Klaus
CS Institut fuer Organische Chemie, Universitaet Leipzig, Leipzig, D-04103, Germany
SO Tetrahedron Lett. (1995), 36(12), 2037-40
CODEN: TELEAY; ISSN: 0040-4039
DT Journal

LA English
OS CASREACT 123:112661
GI



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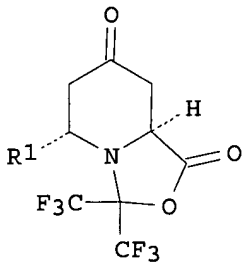
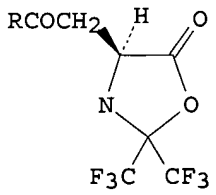


II

AB Syntheses of 4-oxo-, cis-4-hydroxy-, and trans-4-hydroxy-L-pipecolic acids
from L-aspartic acid using hexafluoroacetone as protecting reagent are described. Combination of a Stille cross-coupling reaction of protected aspartyl chloride I (R = Cl) and vinylstannanes gave enones I (R = H2C:CH, MeCH:CH) which underwent subsequent Lewis acid catalyzed intramol. Michael addn. to give protected 4-oxo-L-pipecolic acid or trans-6-methyl-4-oxo-L-pipecolic acid derivs. II (R1 = H, Me). Borohydride redn. of II (R = H) gives the corresponding cis-4-hydroxy-L-pipecolic acid. Trans-4-hydroxy-L-pipecolic acid is obtained in good yield via Mitsunobu inversion of the cis isomer.

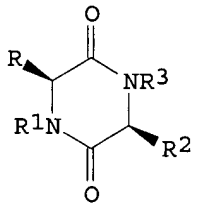
L10 ANSWER 7 OF 14 CAPLUS COPYRIGHT 2001 ACS
TI Hexafluoroacetone as activating and protecting reagent in amino acid and peptide chemistry. 17. An efficient synthesis of 5-hydroxy-4-oxo-L-norvaline from L-aspartic acid
AN 1994:107667 CAPLUS
DN 120:107667
TI Hexafluoroacetone as activating and protecting reagent in amino acid and peptide chemistry. 17. An efficient synthesis of 5-hydroxy-4-oxo-L-norvaline from L-aspartic acid
AU Golubev, Alexander; Sewald, Norbert; Burger, Klaus
CS Org. Chem. Inst. Tech., Univ. Muenchen, Garching, D-85747, Germany
SO Tetrahedron Lett. (1993), 34(37), 5879-80
CODEN: TELEAY; ISSN: 0040-4039
DT Journal
LA English
OS CASREACT 120:107667
GI



I

AB A synthesis of the antibiotic (-)-HON (5-hydroxy-4-oxo-L-norvaline, RI-331) from L-aspartic acid using hexafluoroacetone as protecting reagent is described. Thus, cyclocondensation of hexafluoroacetone and aspartic acid gave oxazolidonone I (R = HO), which is converted to diazoketone I (R = N2CH) via the acid chloride and further reacted with formic acid to give homologated formate ester I (R = HCO2CH2), which gave the title compd. on acidic hydrolysis.

L10 ANSWER 8 OF 14 CAPLUS COPYRIGHT 2001 ACS
TI Hexafluoroacetone as protecting group and activating reagent in amino acid and peptide chemistry. XI. A new simple preparative access to 2,5-dioxopiperazines and 2,5-dioxomorpholines
AN 1993:626381 CAPLUS
DN 119:226381
TI Hexafluoroacetone as protecting group and activating reagent in amino acid and peptide chemistry. XI. A new simple preparative access to 2,5-dioxopiperazines and 2,5-dioxomorpholines
AU Burger, K.; Rudolph, M.; Windeisen, E.; Worku, A.; Fehn, S.
CS Org.-Chem. Inst., Tech. Univ. Muenchen, Garching, W-8046, Germany
SO Monatsh. Chem. (1993), 124(4), 453-63
CODEN: MOCMB7; ISSN: 0026-9247
DT Journal
LA German
OS CASREACT 119:226381
GI



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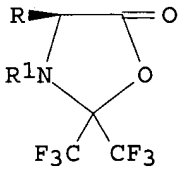

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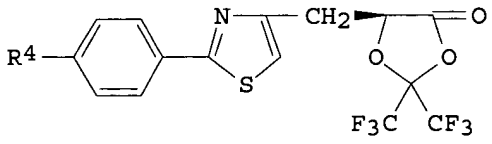

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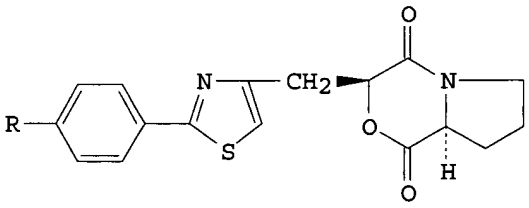
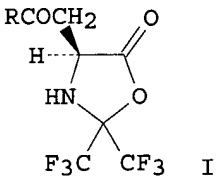


IV

AB 2,5-Dioxopiperazines I [R = R2 = Me,CH2C6H4OH-4,CH2OH, CHMeOH, R1 = R3 = H; R = R2 = H, R1 = R3 = Me; RR1 = R2R3 = (CH2)3] were obtained by dimerizing the oxazolidines II in MeOH at room temp. I (R, R2 = different amino acid residues, R1, R3 = H) were obtained from II and R3NHCHR2CO2Me. The dioxolanes III (R4 = Me, F, Cl) similarly gave the morpholines IV.

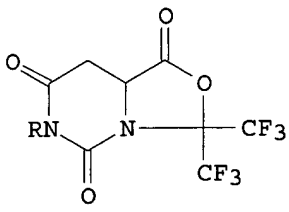
L10 ANSWER 9 OF 14 CAPLUS COPYRIGHT 2001 ACS
TI Regiospecific reactions with .omega.-carboxy-.alpha.-amino acids. Part III. Aspartic acid
AN 1991:450250 CAPLUS
DN 115:50250
TI Regiospecific reactions with .omega.-carboxy-.alpha.-amino acids. Part III. Aspartic acid
AU Burger, Klaus; Gold, Manuel; Neuhauser, Horst; Rudolph, Martin
CS Inst. Org. Chem., Tech. Univ. Muenchen, Garching, D-8046, Fed. Rep. Ger.
SO Chem.-Ztg. (1991), 115(3), 77-82
CODEN: CMKZAT; ISSN: 0009-2894
DT Journal
LA German
OS CASREACT 115:50250
GI



I

AB Regiospecific syntheses of .alpha.- and .beta.-carboxylic acid derivs. as well as unsym. substituted .alpha.,.beta.-dicarboxylic acid derivs. of aspartic acid can be achieved via intermediates I (R = OH, Cl). I (R = OH) is obtained in high yield on reaction of aspartic acid with (CF3)2CO, I (R = Cl) on reaction of I (R = OH) with SOCl2.

L10 ANSWER 10 OF 14 CAPLUS COPYRIGHT 2001 ACS
TI A new, preparatively simple way to dihydroorotic acid, 1-methyl-4,5-dihydroorotic acid and their derivatives
AN 1991:61976 CAPLUS
DN 114:61976
TI A new, preparatively simple way to dihydroorotic acid, 1-methyl-4,5-dihydroorotic acid and their derivatives
AU Burger, Klaus; Neuhauser, Horst; Rudolph, Martin
CS Inst. Org. Chem., Tech. Univ. Muenchen, Garching, D-8046, Fed. Rep. Ger.
SO Chem.-Ztg. (1990), 114(7-8), 251-5
CODEN: CMKZAT; ISSN: 0009-2894
DT Journal
LA German
OS CASREACT 114:61976
GI



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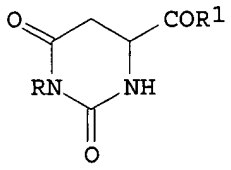
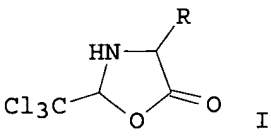


II

AB 4-(Carboxymethyl)-2,2-bis(trifluoromethyl)oxazolidin-5-one, obtained on reaction of aspartic acid with hexafluoroacetone, reacts with chlorosulfonyl isocyanate to yield a bicyclic oxazolidinone I (R = H), which on treatment with diazomethane can be N-methylated to give I (R = Me). I are carboxy group-activated derivs. of dihydroorotic acids II (R =
H, Me; R1 = OH), resp. Aminolysis of I gave II (R1 = alkylamino). Esterification of I gave II (R1 = alkoxy).

L10 ANSWER 14 OF 14 CAPLUS COPYRIGHT 2001 ACS
TI Synthesis of 2-trichloromethyl-5-oxazolidinones by the reaction of chloral
with N,O-trimethylsilyl derivatives of amino acids
AN 1979:87335 CAPLUS
DN 90:87335
TI Synthesis of 2-trichloromethyl-5-oxazolidinones by the reaction of chloral
with N,O-trimethylsilyl derivatives of amino acids
AU Davidovich, Yu. A.; Pavlova, L. A.; Volkonskii, A. Yu.; Rogozhin, S. V.
CS Inst. Elementoorg. Soedin., Moscow, USSR
SO Khim. Geterotsikl. Soedin. (1978), (11), 1472-3
CODEN: KGSSAQ; ISSN: 0453-8234
DT Journal
LA Russian
GI



I

AB The title compds. I (R = PhCH2, MeSCH2CH2, Me2CHCH2, Me3SiO2CCH2, Me3SiO2CCH2CH2) were prepd. in 54-98% yields by cyclocondensation of Me3SiNHCHRCO2SiMe3 with Cl3CCHO.

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	38.49	180.84

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FILE 'CAPLUS' ENTERED AT 07:49:48 ON 05 DEC 2001
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FULL ESTIMATED COST	38.49	180.84

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-4.70	-4.70

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	38.49	180.84

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-4.70	-4.70

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DICTIONARY FILE UPDATES: 3 DEC 2001 HIGHEST RN 373353-24-3

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for more information. See STNote 27, Searching Properties in the CAS
Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

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L18 STRUCTURE UPLOADED

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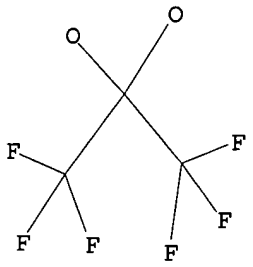

Structure attributes must be viewed using STN Express query preparation.

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ENTER SCOPE OF SEARCH (SAMPLE), FULL, RANGE, OR SUBSET:sample
SAMPLE SEARCH INITIATED 07:50:35 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -     37 TO ITERATE

100.0% PROCESSED      37 ITERATIONS                          27 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:          376 TO     1104
PROJECTED ANSWERS:             229 TO      851

L19          27 SEA SSS SAM L18

=> d scan

L19  27 ANSWERS   REGISTRY  COPYRIGHT 2001 ACS
IN   2,2-Propanediol, 1,1,1,3,3,3-hexafluoro-, compd. with benzimidazole (1:1)
     (8CI)
MF   C7 H6 N2 . C3 H2 F6 O2

     CM   1
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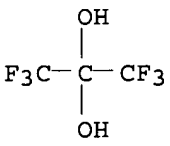

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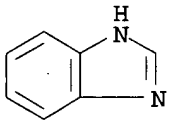
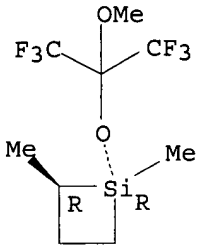


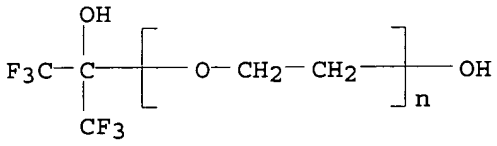
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):10

L19 27 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Silacyclobutane, 1,2-dimethyl-1-[2,2,2-trifluoro-1-methoxy-1-(trifluoromethyl)ethoxy]-, trans- (9CI)
MF C9 H14 F6 O2 Si

Relative stereochemistry.

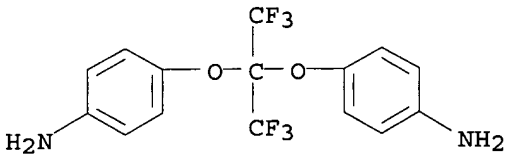


L19 27 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Poly(oxy-1,2-ethanediyl), .alpha.-[2,2,2-trifluoro-1-hydroxy-1-(trifluoromethyl)ethyl]-.omega.-hydroxy- (9CI)
MF (C2 H4 O)n C3 H2 F6 O2
CI PMS

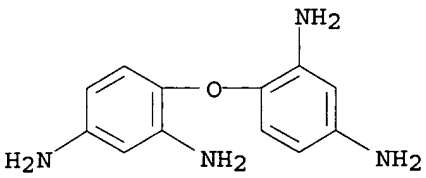


L19 27 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 1,3-Isobenzofurandione, 5,5'-oxybis-, polymer with 4,4'-oxybis[1,3-benzenediamine], 5,5'-(1,1,3,3-tetramethyl-1,3-disiloxanediyl)bis[1,3-isobenzofurandione] and 4,4'-[[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis(oxy)]bis[benzenamine] (9CI)
MF (C20 H18 O7 Si2 . C16 H6 O7 . C15 H12 F6 N2 O2 . C12 H14 N4 O)x
CI PMS

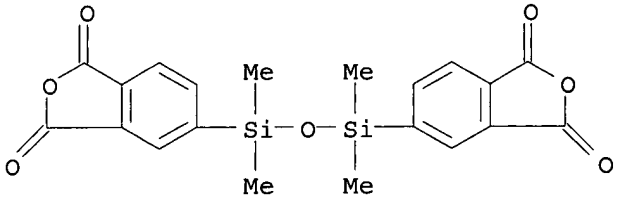
CM 1



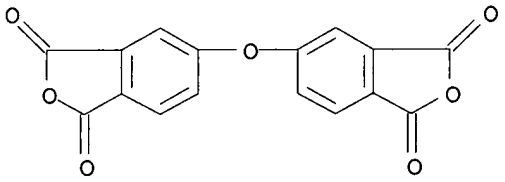
CM 2



CM 3

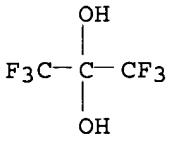


CM 4

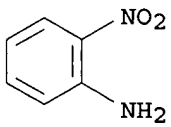


L19 27 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 2,2-Propanediol, 1,1,1,3,3,3-hexafluoro-, compd. with 2-nitrobenzenamine (1:1) (9CI)
MF C6 H6 N2 O2 . C3 H2 F6 O2

CM 1

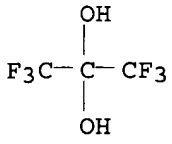


CM 2

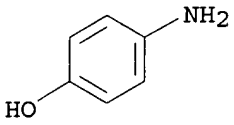


L19 27 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 2,2-Propanediol, 1,1,1,3,3,3-hexafluoro-, compd. with 4-aminophenol (1:1) (9CI)
MF C6 H7 N O . C3 H2 F6 O2

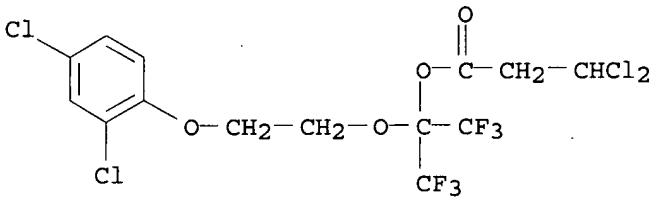
CM 1



CM 2



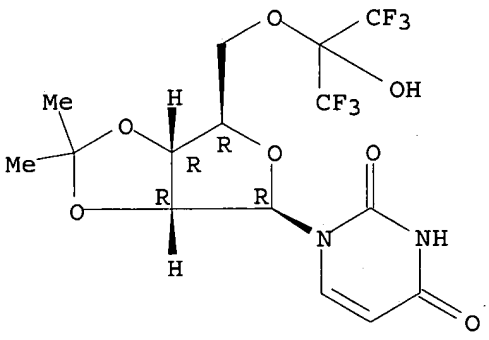
L19 27 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Propionic acid, 3,3-dichloro-, 1-[2-(2,4-dichlorophenoxy)ethoxy]-2,2,2-trifluoro-1-(trifluoromethyl)ethyl ester (8CI)
MF C14 H10 Cl4 F6 O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

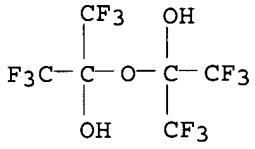
L19 27 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Uridine, 2',3'-O-(1-methylethylidene)-5'-O-[2,2,2-trifluoro-1-hydroxy-1-(trifluoromethyl)ethyl]- (9CI)
MF C15 H16 F6 N2 O7

Absolute stereochemistry.



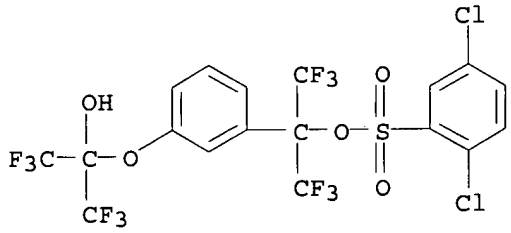
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L19 27 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 2-Propanol, 2,2'-oxybis[1,1,1,3,3,3-hexafluoro- (9CI)
MF C6 H2 F12 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L19 27 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Benzenesulfonic acid, 2,5-dichloro-,
2,2,2-trifluoro-1-[3-[2,2,2-trifluoro-
1-hydroxy-1-(trifluoromethyl)ethoxy]phenyl]-1-(trifluoromethyl)ethyl
ester
(9CI)
MF C18 H8 Cl2 F12 O5 S

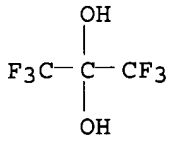


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

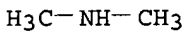
L19 27 ANSWERS REGISTRY COPYRIGHT 2001 ACS

IN 2,2-Propanediol, 1,1,1,3,3,3-hexafluoro-, compd. with N-methylmethanamine (1:1) (9CI)
MF C3 H2 F6 O2 . C2 H7 N

CM 1



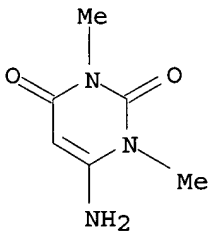
CM 2



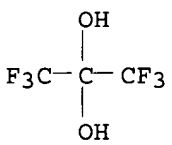
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):10

L19 27 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 2,2-Propanediol, 1,1,1,3,3,3-hexafluoro-, compd. with 6-amino-1,3-dimethyl-2,4(1H,3H)-pyrimidinedione (1:1) (9CI)
MF C6 H9 N3 O2 . C3 H2 F6 O2

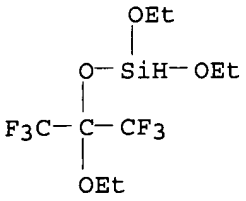
CM 1



CM 2

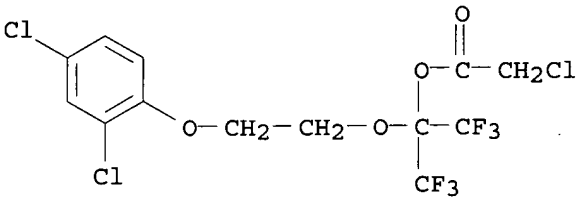


L19 27 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Silane, diethoxy[1-ethoxy-2,2,2-trifluoro-1-(trifluoromethyl)ethoxy]-(8CI)
MF C9 H16 F6 O4 Si



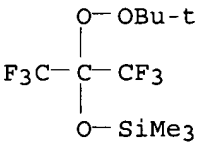
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L19 27 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Acetic acid, chloro-,
1-[2-(2,4-dichlorophenoxy)ethoxy]-2,2,2-trifluoro-1-
(trifluoromethyl)ethyl ester (8CI)
MF C13 H9 Cl3 F6 O4



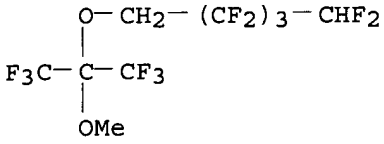
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L19 27 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Silane, [1-[(1,1-dimethylethyl)dioxy]-2,2,2-trifluoro-1-
(trifluoromethyl)ethoxy]trimethyl- (9CI)
MF C10 H18 F6 O3 Si



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

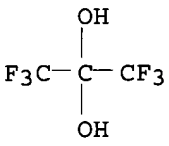
L19 27 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Pentane, 1,1,2,2,3,3,4,4-octafluoro-5-[2,2,2-trifluoro-1-methoxy-1-
(trifluoromethyl)ethoxy]- (9CI)
MF C9 H6 F14 O2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

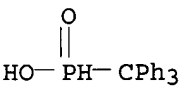
L19 27 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Phosphinic acid, (triphenylmethyl)-, compd. with 1,1,1,3,3,3-hexafluoro-2,2-propanediol and pyridine (3:2:3) (9CI)
MF C19 H17 O2 P . C5 H5 N . 3/2 C3 H2 F6 O2

CM 1

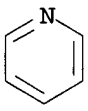


CM 2

CM 3

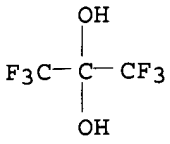


CM 4

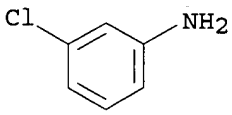


L19 27 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 2,2-Propanediol, 1,1,1,3,3,3-hexafluoro-, compd. with 3-chlorobenzenamine (1:1) (9CI)
MF C6 H6 Cl N . C3 H2 F6 O2

CM 1

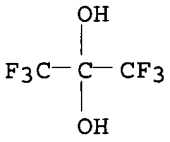


CM 2

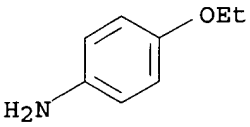


L19 27 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 2,2-Propanediol, 1,1,1,3,3,3-hexafluoro-, compd. with 4-ethoxybenzenamine (1:1) (9CI)
MF C8 H11 N O . C3 H2 F6 O2

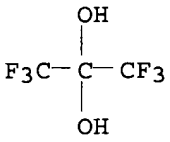
CM 1



CM 2

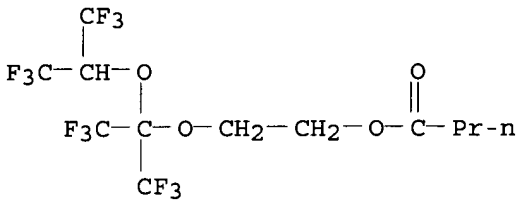


L19 27 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN 2,2-Propanediol, 1,1,1,3,3,3-hexafluoro-, monocesium salt (8CI)
MF C3 H2 F6 O2 . Cs



● Cs

L19 27 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN   Butyric acid,
2-[2,2,2-trifluoro-1-(trifluoromethyl)-1-[2,2,2-trifluoro-1-
     (trifluoromethyl)ethoxy]ethoxy]ethyl ester (8CI)
MF   C12 H12 F12 O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	1.55	182.39

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-4.70

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 07:52:53 ON 05 DEC 2001

Connecting via Winsock to STN

Trying 3106016892...Open

Welcome to STN International! Enter x:x
LOGINID:ssspta1623paz
PASSWORD:
 * * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'REGISTRY' AT 08:31:21 ON 05 DEC 2001
FILE 'REGISTRY' ENTERED AT 08:31:21 ON 05 DEC 2001
COPYRIGHT (C) 2001 American Chemical Society (ACS)

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	1.55	182.39

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-4.70

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	1.55	182.39

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE ENTRY TOTAL SESSION

CA SUBSCRIBER PRICE 0.00 -4.70

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 08:31:29 ON 05 DEC 2001

Connecting via Winsock to STN

Trying 3106016892...Open

Welcome to STN International! Enter x:x
LOGINID:ssspta1623paz
PASSWORD:
* * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'REGISTRY' AT 08:58:06 ON 05 DEC 2001
FILE 'REGISTRY' ENTERED AT 08:58:06 ON 05 DEC 2001
COPYRIGHT (C) 2001 American Chemical Society (ACS)

COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION

FULL ESTIMATED COST 1.55 182.39

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE ENTRY TOTAL SESSION

CA SUBSCRIBER PRICE 0.00 -4.70

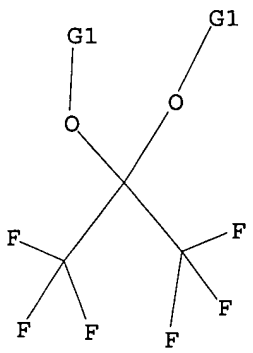
=>
Uploading 09859439 hexafluoroacetone ketals.str

L20 STRUCTURE UPLOADED

=>
Uploading 09859439 hexafluoroacetone ketals.str

L21 STRUCTURE UPLOADED

=> d l21
L21 HAS NO ANSWERS
L21 STR



G1 Me,Et

Structure attributes must be viewed using STN Express query preparation.

=> search l21

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ENTER TYPE OF SEARCH (SSS), CSS, FAMILY, OR EXACT:sss
ENTER SCOPE OF SEARCH (SAMPLE), FULL, RANGE, OR SUBSET:sampl
SAMPLE SEARCH INITIATED 09:00:43 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -     36 TO ITERATE

100.0% PROCESSED      36 ITERATIONS                                  0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:          361 TO     1079
PROJECTED ANSWERS:               0 TO        0

L22           0 SEA SSS SAM L21

=> search l21
ENTER TYPE OF SEARCH (SSS), CSS, FAMILY, OR EXACT:sss
ENTER SCOPE OF SEARCH (SAMPLE), FULL, RANGE, OR SUBSET:full
FULL SEARCH INITIATED 09:01:02 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -     623 TO ITERATE

100.0% PROCESSED     623 ITERATIONS                                  3 ANSWERS
SEARCH TIME: 00.00.02

L23           3 SEA SSS FUL L21

=> d can
'CAN' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual
fields or predefined formats.  The predefined substance formats
are:  (RN = CAS Registry Number)

REG     - RN
SAM     - Index Name, MF, and structure - no RN
FIDE    - All substance data, except sequence data
IDE     - FIDE, but only 50 names
SQIDE   - IDE, plus sequence data
SQIDE3  - Same as SQIDE, but 3-letter amino acid codes are used
SQD     - Protein sequence data, includes RN
SQD3    - Same as SQD, but 3-letter amino acid codes are used
SQN     - Protein sequence name information, includes RN

CALC    - Table of numeric properties
PROP    - Same as CALC

ABS  -- Abstract
APPS -- Application and Priority Information
BIB  -- CA Accession Number, plus Bibliographic Data
CAN  -- CA Accession Number
CBIB -- CA Accession Number, plus Bibliographic Data (compressed)
IND  -- Index Data
IPC  -- International Patent Classification
PATS -- PI, SO
STD  -- BIB, IPC, and NCL

IABS --ABS, indented, with text labels
IBIB -- BIB, indented, with text labels
ISTD -- STD format, indented
```

OBIB -------- AN, plus Bibliographic Data (original)
OIBIB ------- OBIB, indented with text labels

SBIB -------- BIB, no citations
SIBIB ------- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.
The MAX format is the same as ALL.
The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

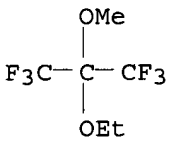
For additional information, please consult the following help messages:

HELP DFIELDS -- To see a complete list of individual display fields.
HELP FORMATS -- To see detailed descriptions of the predefined formats.
Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

ENTER DISPLAY FORMAT (IDE):end

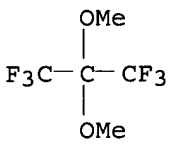
=> d scan

L23 3 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Propane, 2-ethoxy-1,1,1,3,3,3-hexafluoro-2-methoxy- (9CI)
MF C6 H8 F6 O2



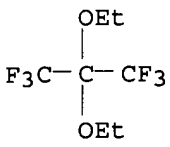
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):3

L23 3 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Propane, 1,1,1,3,3,3-hexafluoro-2,2-dimethoxy- (9CI)
MF C5 H6 F6 O2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L23 3 ANSWERS REGISTRY COPYRIGHT 2001 ACS
IN Propane, 2,2-diethoxy-1,1,1,3,3,3-hexafluoro- (9CI)
MF C7 H10 F6 O2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	136.66	317.50

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-4.70

FILE 'CAPLUS' ENTERED AT 09:01:43 ON 05 DEC 2001
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1947 - 5 Dec 2001 VOL 135 ISS 24
FILE LAST UPDATED: 3 Dec 2001 (20011203/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

This file supports REG1stRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

CAplus now provides online access to patents and literature covered in CA from 1947 to the present. On April 22, 2001, bibliographic information and abstracts were added for over 2.2 million references published in CA from 1947 to 1966.

The CA Lexicon is now available in the Controlled Term (/CT) field. Enter HELP LEXICON for full details.

=> l23
L24 9 L23

```
=> d his

     (FILE 'HOME' ENTERED AT 07:02:47 ON 05 DEC 2001)

     FILE 'REGISTRY' ENTERED AT 07:05:02 ON 05 DEC 2001
                E N-(3,3-DIMETHYLBUTYL)-L-ASPARTIC ACID/CN
                E N-(3,3-DIMETHYL-BUTYL)-L-ASPARTIC ACID/CN
                E N-(3,3-DIMETHYL-BUTYL)-ASPARTIC ACID/CN

     FILE 'CAPLUS' ENTERED AT 07:07:53 ON 05 DEC 2001
L1             58 NEOTAME
L2           4371 OXAZOLIDINONE
L3              0 L1 AND L2

     FILE 'STNGUIDE' ENTERED AT 07:08:53 ON 05 DEC 2001

     FILE 'CAPLUS' ENTERED AT 07:12:08 ON 05 DEC 2001
                ACT NEOTAME/A
                ---------
L4   (          1) SEA FILE=REGISTRY ABB=ON  PLU=ON  NEOTAME/CN
L5             71 SEA FILE=CAPLUS ABB=ON  PLU=ON  L4
                ---------
L6              0 L5 AND L2

     FILE 'REGISTRY' ENTERED AT 07:24:33 ON 05 DEC 2001
L7                STRUCTURE UPLOADED
L8              0 SEARCH L7 SSS SAMPLE
L9              9 SEARCH L7 SSS FULL

     FILE 'CAPLUS' ENTERED AT 07:27:10 ON 05 DEC 2001
L10            14 L9
L11          2535 ASPARTAME
L12             1 L11 AND L10
L13           116 TOLUENSUL?
L14         35584 TOLUENESUL?
L15             0 L14 AND L10
L16       3459943 ACID
L17            14 L10 AND L16

     FILE 'REGISTRY' ENTERED AT 07:50:01 ON 05 DEC 2001
L18               STRUCTURE UPLOADED
L19            27 SEARCH L18 SSS SAMPLE
L20               STRUCTURE UPLOADED
L21               STRUCTURE UPLOADED
L22             0 SEARCH L21 SSS SAMPL
L23             3 SEARCH L21 SSS FULL

     FILE 'CAPLUS' ENTERED AT 09:01:43 ON 05 DEC 2001
L24             9 L23

=> l2 and l24
L25             0 L2 AND L24

=> d l24 1-9 ti

L24  ANSWER 1 OF 9  CAPLUS  COPYRIGHT 2001 ACS
TI   Fluoroethers as cleaning solvents, solvent compositions containing
     alcohols, and their use in removing oily soil and water

L24  ANSWER 2 OF 9  CAPLUS  COPYRIGHT 2001 ACS
```

TI Olefin oligomerization catalyst and process for the preparation of olefin oligomers

L24 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2001 ACS
TI Olefin polymerization catalyst components for polymers with high molecular weight and relatively wide molecular weight distribution

L24 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2001 ACS
TI Catalyst components for the polymerization of olefins

L24 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2001 ACS
TI Olefin polymerization catalyst components

L24 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2001 ACS
TI Catalyst component for the polymerization of olefins and process for preparing olefin polymers using it

L24 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2001 ACS
TI Anesthetizing fluoro methoxy alkanes

L24 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2001 ACS
TI Anesthetizing composition

L24 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2001 ACS
TI Aliphatic ether compounds as inhalation anesthetics

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	3.43	320.93
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-4.70

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 09:03:13 ON 05 DEC 2001

Connecting via Winsock to STN

Trying 3106016892...Open

Welcome to STN International! Enter x:x
LOGINID:ssspta1623paz
PASSWORD:
* * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 09:21:54 ON 05 DEC 2001
FILE 'CAPLUS' ENTERED AT 09:21:54 ON 05 DEC 2001
COPYRIGHT (C) 2001 AMERICAN CHEMICAL SOCIETY (ACS)

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	3.43	320.93
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-4.70

=> d his

```
     (FILE 'HOME' ENTERED AT 07:02:47 ON 05 DEC 2001)

     FILE 'REGISTRY' ENTERED AT 07:05:02 ON 05 DEC 2001
                E N-(3,3-DIMETHYLBUTYL)-L-ASPARTIC ACID/CN
                E N-(3,3-DIMETHYL-BUTYL)-L-ASPARTIC ACID/CN
                E N-(3,3-DIMETHYL-BUTYL)-ASPARTIC ACID/CN

     FILE 'CAPLUS' ENTERED AT 07:07:53 ON 05 DEC 2001
L1             58 NEOTAME
L2           4371 OXAZOLIDINONE
L3              0 L1 AND L2

     FILE 'STNGUIDE' ENTERED AT 07:08:53 ON 05 DEC 2001

     FILE 'CAPLUS' ENTERED AT 07:12:08 ON 05 DEC 2001
                ACT NEOTAME/A
                ---------
L4   (          1)SEA FILE=REGISTRY ABB=ON  PLU=ON  NEOTAME/CN
L5             71 SEA FILE=CAPLUS ABB=ON  PLU=ON  L4
                ---------
L6              0 L5 AND L2

     FILE 'REGISTRY' ENTERED AT 07:24:33 ON 05 DEC 2001
L7                STRUCTURE UPLOADED
L8              0 SEARCH L7 SSS SAMPLE
L9              9 SEARCH L7 SSS FULL

     FILE 'CAPLUS' ENTERED AT 07:27:10 ON 05 DEC 2001
L10            14 L9
L11          2535 ASPARTAME
L12             1 L11 AND L10
L13           116 TOLUENSUL?
L14         35584 TOLUENESUL?
L15             0 L14 AND L10
L16       3459943 ACID
L17            14 L10 AND L16

     FILE 'REGISTRY' ENTERED AT 07:50:01 ON 05 DEC 2001
L18               STRUCTURE UPLOADED
L19            27 SEARCH L18 SSS SAMPLE
L20               STRUCTURE UPLOADED
L21               STRUCTURE UPLOADED
L22             0 SEARCH L21 SSS SAMPL
L23             3 SEARCH L21 SSS FULL

     FILE 'CAPLUS' ENTERED AT 09:01:43 ON 05 DEC 2001
L24             9 L23
L25             0 L2 AND L24

=> save temp all oazo/l
L# LIST L1-L25 HAS BEEN SAVED AS 'OAZO/L'

=> save temp l9 l9/a
L9/A IS NOT A VALID SAVED NAME
Enter the name you wish to use for the saved query,
answer set, or L-number list.  The name must:
  1. Begin with a letter,
  2. Have 1-12 characters,
  3. Contain only letters (A-Z) and numbers (0-9),
  4. End with /Q for a query (search profile,
```

```
     structure, or screen set), /A for an answer
     set, or /L for an L-number list.
  5. Not already be in use as a saved name,
  6. Not be END, SAV, SAVE, SAVED
  7. Not have the form of an L-number (Lnnn).
ENTER NAME OR (END):elnine
ELNINE IS NOT A VALID SAVED NAME
Enter the name you wish to use for the saved query,
answer set, or L-number list.  The name must:
  1. Begin with a letter,
  2. Have 1-12 characters,
  3. Contain only letters (A-Z) and numbers (0-9),
  4. End with /Q for a query (search profile,
     structure, or screen set), /A for an answer
     set, or /L for an L-number list.
  5. Not already be in use as a saved name,
  6. Not be END, SAV, SAVE, SAVED
  7. Not have the form of an L-number (Lnnn).
ENTER NAME OR (END):elnine/a
ANSWER SET NOT SAVED.
THE ANSWER SET WAS CREATED IN FILE 'REGISTRY'.
USE THE FILE COMMAND TO CHANGE TO THE CORRECT FILE.
Answer sets must be saved in the same file in which they were
created.

=> save temp l10 eten/a
ANSWER SET L10 HAS BEEN SAVED AS 'ETEN/A'

=> logoff hold
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                      ENTRY     SESSION
FULL ESTIMATED COST                                     6.69      324.19

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                      ENTRY     SESSION
CA SUBSCRIBER PRICE                                     0.00       -4.70

 SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 09:27:48 ON 05 DEC 2001

Connecting via Winsock to STN

Trying 3106016892...Open

Welcome to STN International!  Enter x:x
LOGINID:ssspta1623paz
PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2


* * * * * * * * * *   Welcome to STN International   * * * * * * * * * *

 NEWS  1          Web Page URLs for STN Seminar Schedule - N. America
 NEWS  2  Dec 17  The CA Lexicon available in the CAPLUS and CA files
 NEWS  3  Feb 06  Engineering Information Encompass files have new names
 NEWS  4  Feb 16  TOXLINE no longer being updated
 NEWS  5  Apr 23  Search Derwent WPINDEX by chemical structure
 NEWS  6  Apr 23  PRE-1967 REFERENCES NOW SEARCHABLE IN CAPLUS AND CA
 NEWS  7  May 07  DGENE Reload
 NEWS  8  Jun 20  Published patent applications (A1) are now in USPATFULL
 NEWS  9  JUL 13  New SDI alert frequency now available in Derwent's
```

DWPI and DPCI
NEWS 10 Aug 23 In-process records and more frequent updates now in MEDLINE
NEWS 11 Aug 23 PAGE IMAGES FOR 1947-1966 RECORDS IN CAPLUS AND CA
NEWS 12 Aug 23 Adis Newsletters (ADISNEWS) now available on STN
NEWS 13 Sep 17 IMSworld Pharmaceutical Company Directory name change to PHARMASEARCH
NEWS 14 Oct 09 Korean abstracts now included in Derwent World Patents Index
NEWS 15 Oct 09 Number of Derwent World Patents Index updates increased
NEWS 16 Oct 15 Calculated properties now in the REGISTRY/ZREGISTRY File
NEWS 17 Oct 22 Over 1 million reactions added to CASREACT
NEWS 18 Oct 22 DGENE GETSIM has been improved
NEWS 19 Oct 29 AAASD no longer available
NEWS 20 Nov 19 New Search Capabilities USPATFULL and USPAT2
NEWS 21 Nov 19 TOXCENTER(SM) - new toxicology file now available on STN
NEWS 22 Nov 29 COPPERLIT now available on STN
NEWS 23 Nov 29 DWPI revisions to NTIS and US Provisional Numbers
NEWS 24 Nov 30 Files VETU and VETB to have open access

NEWS EXPRESS August 15 CURRENT WINDOWS VERSION IS V6.0c, CURRENT MACINTOSH VERSION IS V6.0 (ENG) AND V6.0J (JP), AND CURRENT DISCOVER FILE IS DATED 07 AUGUST 2001
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 13:12:24 ON 05 DEC 2001

=>

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.15	0.15

FILE 'STNGUIDE' ENTERED AT 13:12:37 ON 05 DEC 2001

FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Nov 30, 2001 (20011130/UP).

=>

NAME	CREATED	NOTES/TITLE

```
ETEN/A              TEMP          14 ANSWERS IN FILE CAPLUS
INDIUMCL3/A         30 MAY 2001   1 ANSWER IN FILE REGISTRY
LTWENTAUGFOR/A      04 AUG 2001   72 ANSWERS IN FILE CAPLUS
MEKINHIB/A          TEMP          5 ANSWERS IN FILE CAPLUS
NEOALDE/A           TEMP          14 ANSWERS IN FILE CAPLUS
NEOSRCH/L           TEMP          9 L-NUMBERS
NEOTAME/A           TEMP          71 ANSWERS IN FILE CAPLUS
NEOTAMECRYST/A      24 APR 2001   59 ANSWERS IN FILE CAPLUS
NVLARMFULGEN/A      19 APR 2001   196 ANSWERS IN FILE REGISTRY
OAZO/L              TEMP          25 L-NUMBERS
POHBENZALDEH/A      10 JUL 2001   5519 ANSWERS IN FILE CAPLUS
PROSTACMPD15/A      01 AUG 2001   34 ANSWERS IN FILE CAPLUS
TWOAMINOPOLY/Q      16 APR 2001   UPLOADED STRUCTURE


=>
NO SAVED SDI REQUESTS


=>
L1   (        58)SEA FILE=CAPLUS ABB=ON  PLU=ON  NEOTAME
L2   (      4371)SEA FILE=CAPLUS ABB=ON  PLU=ON  OXAZOLIDINONE
L3   (         0)SEA FILE=CAPLUS ABB=ON  PLU=ON  L1 AND L2
L4   (         1)SEA FILE=REGISTRY ABB=ON  PLU=ON  NEOTAME/CN
L5   (        71)SEA FILE=CAPLUS ABB=ON  PLU=ON  L4
L6   (         0)SEA FILE=CAPLUS ABB=ON  PLU=ON  L5 AND L2
L7               STR
L8   (         0)SEA FILE=REGISTRY SSS SAM L7
L9   (         9)SEA FILE=REGISTRY SSS FUL L7
L10  (        14)SEA FILE=CAPLUS ABB=ON  PLU=ON  L9
L11  (      2535)SEA FILE=CAPLUS ABB=ON  PLU=ON  ASPARTAME
L12  (         1)SEA FILE=CAPLUS ABB=ON  PLU=ON  L11 AND L10
L13  (       116)SEA FILE=CAPLUS ABB=ON  PLU=ON  TOLUENSUL?
L14  (     35584)SEA FILE=CAPLUS ABB=ON  PLU=ON  TOLUENESUL?
L15  (         0)SEA FILE=CAPLUS ABB=ON  PLU=ON  L14 AND L10
L16  (   3459943)SEA FILE=CAPLUS ABB=ON  PLU=ON  ACID
L17  (        14)SEA FILE=CAPLUS ABB=ON  PLU=ON  L10 AND L16
L18              STR
L19  (        27)SEA FILE=REGISTRY SSS SAM L18
L20              STR
L21              STR
L22  (         0)SEA FILE=REGISTRY SSS SAM L21
L23  (         3)SEA FILE=REGISTRY SSS FUL L21
L24  (         9)SEA FILE=CAPLUS ABB=ON  PLU=ON  L23
L25  (         0)SEA FILE=CAPLUS ABB=ON  PLU=ON  L2 AND L24

=> file caplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     0.00       0.15

FILE 'CAPLUS' ENTERED AT 13:15:24 ON 05 DEC 2001
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```

FILE COVERS 1947 - 5 Dec 2001 VOL 135 ISS 24
FILE LAST UPDATED: 3 Dec 2001 (20011203/ED)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.

  This file supports REG1stRY for direct browsing and searching of
  all substance data from the REGISTRY file. Enter HELP FIRST for
  more information.

CAplus now provides online access to patents and literature covered in CA from 1947 to the present. On April 22, 2001, bibliographic information and abstracts were added for over 2.2 million references published in CA from 1947 to 1966.

The CA Lexicon is now available in the Controlled Term (/CT) field. Enter HELP LEXICON for full details.


```
=> amino acid
         783075 AMINO
             36 AMINOS
         783091 AMINO
                   (AMINO OR AMINOS)
        3033237 ACID
        1190563 ACIDS
        3459943 ACID
                   (ACID OR ACIDS)
L26      520593 AMINO ACID
                   (AMINO(W)ACID)

=> l2 and l26
           3984 OXAZOLIDINONE
           1473 OXAZOLIDINONES
           4371 OXAZOLIDINONE
                   (OXAZOLIDINONE OR OXAZOLIDINONES)
L27         376 L2 AND L26

=> aetal or ketal
              1 AETAL
              1 AETALS
              2 AETAL
                   (AETAL OR AETALS)
           8658 KETAL
           3412 KETALS
          10224 KETAL
                   (KETAL OR KETALS)
L28       10226 AETAL OR KETAL

=> l28 and l27
L29           0 L28 AND L27

=> acetal
          36233 ACETAL
          16822 ACETALS
```

L30 43602 ACETAL
(ACETAL OR ACETALS)

=> l30 or l28
L31 51536 L30 OR L28

=> l27 and l31
L32 11 L27 AND L31

=> ?toluenesulf?
L33 36154 ?TOLUENESULF?

=> l32 and l33
L34 0 L32 AND L33

=> d l32 1-11 ti

L32 ANSWER 1 OF 11 CAPLUS COPYRIGHT 2001 ACS
TI Crystallization-induced asymmetric transformations and self-regeneration of stereocenters (SROSC): enantiospecific synthesis of .alpha.-benzylalanine and hydantoin BIRT-377

L32 ANSWER 2 OF 11 CAPLUS COPYRIGHT 2001 ACS
TI Formation of oxazolidin-5-ones from (L)-alanine and the use as chiral templates in the synthesis of .alpha.,.alpha.-disubstituted **amino acids**-a mechanistic study

L32 ANSWER 3 OF 11 CAPLUS COPYRIGHT 2001 ACS
TI Synthesis of .alpha.-methyl,.alpha.-substituted **amino acids**

L32 ANSWER 4 OF 11 CAPLUS COPYRIGHT 2001 ACS
TI 5,5-Dialkoxy-2-**oxazolidinones** and their preparation as intermediates for .alpha.-**amino acid** esters

L32 ANSWER 5 OF 11 CAPLUS COPYRIGHT 2001 ACS
TI 4-Alkyl-2-(trichloromethyl)oxazolidin-5-ones. Valuable precursors to enantiomerically pure C- and N-protected .alpha.-alkylprolines

L32 ANSWER 6 OF 11 CAPLUS COPYRIGHT 2001 ACS
TI New methodology for the synthesis of .alpha.,.alpha.-dialkylamino acids using the "self-regeneration of stereocenters" method: .alpha.-ethyl-.alpha.-phenylglycine

L32 ANSWER 7 OF 11 CAPLUS COPYRIGHT 2001 ACS
TI Preparation of .alpha.-branched phenylalanines and of 1,1-disubstituted ethylenediamines via chiral imidazolidinones and **oxazolidinones** of glycine - preparative and mechanistic aspects

L32 ANSWER 8 OF 11 CAPLUS COPYRIGHT 2001 ACS
TI Preparation of peptides as immunosuppressants

L32 ANSWER 9 OF 11 CAPLUS COPYRIGHT 2001 ACS
TI Aluminoxy **acetals** from .alpha.-amino esters: chirality transfer via sequential addition of hydride and C-nucleophiles. 2-Amino alcohols and sphingosines

L32 ANSWER 10 OF 11 CAPLUS COPYRIGHT 2001 ACS
TI Brominations of cyclic **acetals** from .alpha.-**amino acids** and .alpha.- or .beta.-hydroxy acids with N-bromosuccinimide

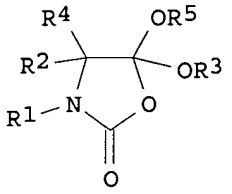
L32 ANSWER 11 OF 11 CAPLUS COPYRIGHT 2001 ACS
TI N,O-**Acetals** from pivalaldehyde and **amino acids** for the .alpha.-alkylation with self-reproduction of the center of chirality. Enolates of 3-benzoyl-2-(tert-butyl)-1,3-oxazolidin-5-ones

=> d l32 4 ti fbib abs

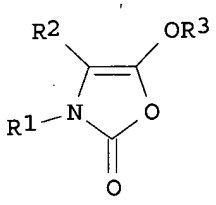
L32 ANSWER 4 OF 11 CAPLUS COPYRIGHT 2001 ACS
TI 5,5-Dialkoxy-2-**oxazolidinones** and their preparation as intermediates for .alpha.-**amino acid** esters
AN 2000:23714 CAPLUS
DN 132:78548
TI 5,5-Dialkoxy-2-**oxazolidinones** and their preparation as intermediates for .alpha.-**amino acid** esters
IN Miyata, Hiroshi; Honma, Takashi; Yamamoto, Yasuhito; Ataka, Kikuo; Satake, Nobuya
PA Ube Industries, Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 64 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000007666	A2	20000111	JP 1999-59953	19990308
			JP 1998-110642	19980421

OS CASREACT 132:78548; MARPAT 132:78548
GI



I



II

AB 5,5-Dialkoxy-2-**oxazolidinones** I [R1 = H, (substituted) C1-10 alkyl, (substituted) C3-10 cycloalkyl, (substituted) Ph, (substituted) C2-10 alkenyl; R2 = H, (substituted) C1-10 alkyl, (substituted) Ph, (substituted) C2-10 alkenyl; R3 = (substituted) C1-10 alkyl, (substituted) C3-10 cycloalkyl, (substituted) Ph, (substituted) C2-10 alkenyl (excluding 2-alkenyl); R4 = H, CHR6(OR7); R5 = (substituted) C1-10 alkyl, (substituted) C3-10 cycloalkyl, (substituted) Ph, (substituted) C2-10 alkenyl; R6 = H, (substituted) C1-10 alkyl, (substituted) C2-10 alkenyl, (substituted) Ph; R7 = (substituted) C1-10 alkyl, (substituted) C3-10 cycloalkyl, (substituted) Ph, (substituted) C2-10 alkenyl; R5R7 may form a C-C bond] are prepd. by reaction of 5-alkoxy-2(3H)-oxazolones II (R1-R3 = same as above) with R4OR5 (R4, R5 = same as above) in the presence of catalysts. .alpha.-**Amino acid** esters R1NHCR2R4CO2R3 or R1NHCR2R4CO2R5 (R1-R5 = same as above), useful for pharmaceuticals, agrochems., or their intermediates, are prepd. by hydrolysis of I in the presence of protonic acid. Reaction of 3-diphenylmethyl-5-methoxy-2(3H)-

oxazolone with benzaldehyde di-Me **acetal** in CH2Cl2 the presence of trimethylsilyl triflate gave (4R,1'S),(4S,1'R)-3-diphenylmethyl-4-(1-methoxy-1-phenylmethyl)-5,5-dimethoxy-2-**oxazolidinone**, which was hydrolyzed in aq. HCl/MeOH to give N-diphenylmethyl-.beta.-methoxyphenylalanine Me ester.

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	19.96	20.11

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.59	-0.59

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 13:22:41 ON 05 DEC 2001